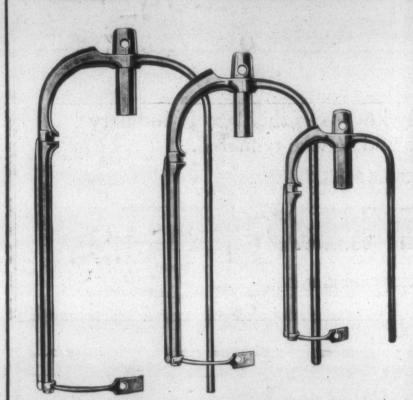
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TEXTILE BULLETIN

VOL. XXIII.

CHARLOTTE, N. C., THURSDAY, JUNE 22, 1922.

NUMBER 17



Saco-Lowell Flyers

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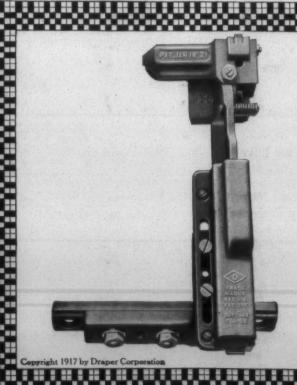
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The Future of Cotton

(By Sir Chas. W. Macara, Man chester, England.)

In a letter I have received from my esteemed friend, Mr. Harvie Jordan, secretary of the American Cotton Association, dealing with the present unsatisfactory condition of things in the cotton-growing area of the southern states, I find a request that I should "express the attitude of the spinning industry regarding the payment of a price for cotton will enable growers to produce the staple on a basis of cost, plus a reasonable profit."

I should be very glad indeed to be able to do so, but unfortunately I do not yet find that enlightened opinion abroad which will allow me to say that the cotton trade has begun to view our supremely important industry in a comprehensive way-that it has begun to take into account not merely the question and cost of the production of yarn and cloth, but how it must ensure for the future a full and in every way adequate supply of the raw mater-

It is an extraordinary thing how for very many years, but more especially since the war, carried on a very large propaganda work, and I have never ceased to put before the spinners of the world the absolute necessity of seeing that a price is and enterprise.

How is it possible to secure present and future supplies otherwise? One would think that it would be the first concern of any one engaged in business to see that his raw material was placed beyond the possiseem to have little or no anxiety as to the supplies upon which the whole of their existence depends. Possibly the regularity with which cotton has year by year come to hand when required has lulled them into a sense of security, or maybe the fact that most of the raw mabut some great upheaval that is like- look is very black indeed.

and again in 1903-4 when the Lancashire mills and those of the rest tained in this country. of Europe had for 12 months to cur- These are serious tain their production by one-third, and employers had to play Provito their work people by dence spreading wages over the whole of the 12 months, instead of paying full wages for eight months and rone at all for four. Then perhaps even the most selfish and short-

sighted will begin to take notice.
What has been my object all along to wake up our people in time, and to make them see what a catastrophe it would be both for themselves and the world in general if the wherewithal for our most important manufacturing industry was not forthcoming.

I am by nature neither a pessimist nor an alarmist, but the state of things existing in the cotton fields of America at the present time must indifferent the people engaged in give rise to the gravest anxiety in the manufacture of cotton are to the mind of any one who has the their welfare in this matter. On welfare of his trade and his fellowthis question in particular I have men at heart. Mr. Harvie Jordan, whose word can be relied upon entirely, fells a story of what he has seen on a personal tour of the cotton producing state that is calculated to bring not only British spinners, but those of every other cotpaid to the grower of cotton that ton manufacturing country, to a will remunerate him for his labor vivid realization of the position of things. Not only is the boll weevil menace a terrible reality, but the result of the drastic deflation in the finished article, and all must be sufmarket value of staple farm products has brought farmers in the they do. south to the verge of ruin.

The losses on the two crops of bility of doubt, but somehow those cotton produced in 1920 and 1921 who spin and manufacture cotton are conservatively estimated at \$2,-300,000,000, and on the top of this us would be wanted. What I have ton situation for long enough. Had thousands of negro tenants, share- always contended in the numerous my advice been taken at the outcroppers and laborers are leaving articles and books I have published break of the war, cotton would have the cotton fields and province to in the cotton fields and moving to industrial centers as a result of their the cotton trade all over the world, and the war shortened by a good 12 in ability to cope with the changed is that we must regard cotton pro- months; and again had a reserve of conditions resulting from the cotton duction and manufacture as one cotton been formed of the large surboll weevil menace. Indeed, the terial is grown so far away from the whole situation is changing in the places where it is manufactured that southern states, and if capital and proper remuneration of the cotton ing to 4d a pound owing to the glut, it induces a feeling of unconcern, labor are not forthcoming for a planter. The planter, of course, nor should we have seen identically At all events, this fatal indifference more intensive and naturally more should be encouraged to avail him—the same cotton run up to 45d a or inertia exists, and I see nothing costly system of cultivation the out-

we had in the 60s of last century, not be sold for less than the cost of production and the industry main-

> These are serious and weighty words, and ought to go home to every cotton spinner and manufacturer in the world. For the question arises, if America is obliged to go out of business as a cotton producer, where is the world in fu-ture to get its supplies?"

> It is clear, therefore, that we shall have, by hook or by crook, to get the spinners and manufacturers of the world to view this industry of cotton on comprehensive rather than on sectional lines: factory owners will have to be made to see that it is no use whatever to gloat over advantages gained to the detriment of the planters, and that they are only pursuing a foolish and suicidal policy to expect to make profits themselves while the planters make losses. It simply means that this stupid way of doing busines will ultimately result in the planter going out of business, leaving the spinner and manufacturer stranded high and dry. The planter will have to come to be regarded as of the same importance as any other person who touches cotton on its way to the draper's counter, and his profits and rewards will have to be considered just as much as either spinner, manufacturer, finisher, merchant, middleman or shipper. All are indispensable to the production of the ficiently compensated for the work

It is amazing that the planter is is the basis of everything. If cot-tions. ton could not be got, then none of out of an unrivalled experience of been withheld from enemy countries whole industry, and that we should plus which existed at that time always put in the forefront the should not have had the price fallself of all modern appliances, and to pound later on, and all the consebut some great upheaval that is like- look is very black indeed.

cultivate his land economically and quent chaos caused by prices of ly to bring people to their senses.

"Our efforts are to produce the to the greatest advantage, but when clothing soaring sky-high and then Some day the desire to obtain cot- crop as economically as possible," he has done this his enterprise being rushed down by an artificial ton in a condition of things such as says Mr. Harvie Jordan, "but it can—should be fully acknowledged and (Continued on Page 27)

appreciated. Especially should consideration be given at a time like the present, when the work of the planter is not only very costly, but surrounded by extraordinary diffi-

I should like very much to see something done to intensify cultivation, believing as I do that would be no difficult thing to double the yield of cotton in the fields of the southern states of America. During my visit to Atlanta in 1907 was presented with a case of cotton bolls of the description which it was estimated would have produced four bales from an acre. average at that time was a third of a bale per acre, and it is probably less today. I quite admit that these bolls were exceptional, but they were an example of what can be done.

I am inundated with correspondence from people who have read my articles on this and kindred questions which have appeared in British and American journals, and some of the writers have an idea that I personally can take over the whole of the cotton crop and deal with it. This, of course, is what no one man can do, but I shall never cease to try and educate the trade up to its duties and obligations in this matter of remunerating the cotton planter. How thoughtless and illogical are some of the men on the manufacturing side can be gathered by their attitude towards the British Cotton Growing association. While they constantly show a total indifference as to whether the cotton they secure will pay for the growing, they show dissatisfaction when the scale of developments in so little regarded, seeing that he cotton growing is below expecta-

I have been uneasy about the cot-

Increased Textile Production

*By Harry E. Lindley.

Since the end of the World War stress is being placed on the eco-nomic adjustment of commercial, industrial, political and social reladuring the war and immediately following the signing of the armistice.

The things that will bear most on ducing better goods and full time for industrial workers, with a fair

return for their labor.

plants, more machines, more operatives or longer work days. some industries this may be so, but in the textile industry, especially cotton manufacture, increased production can be obtained from the same plant, machines and operatives by the introduction of minor equipment properly installed to give greater efficiency to the machines and operatives, and elimination of waste.

To this end the items that bear most directly upon increased textile production are the proper arrangement of the machines themselves; roper preparatory machinery, humidity, individual and four-frame proper lighting, increased speeds, automatic looms and wel-

fare work.

From reports on cotton production and consumption, we learn that the production last year was the smallest in twenty years. The world's consumption, however, has increased and will increase considerably, more due to the long abstention from buying and the indemand for the cheaper creased grade of clothing. The demand, and therefore, the production of cotton goods is bound to increase for with- to the warp preparatory machinery out the three essentials of life, food, on first floor and also from filling humanity clothing and shelter, would perish.

However, with the lowered production of the staple and an increased demand for goods, brings about the necessity of securing the most from the available staple, with the least amount of waste, to prop-

erly meet this demand.

The world is slowly but steadily getting back toward normal conditions, although the tendency is toward the reduction of overhead. There is no greater chance to reduce the overhead in textile industries than to increase the efficiency of both the machine and operative, produce a smaller amount of seconds and cut down the waste. The increase of production per man, per machine, in cotton mills has been considerably less than such increase in other industries.

In a great many cotton mills, very little thought has been given to the arrangement of machinery, but ma-

and especially in the past year, great bor was very cheap and a few extra duct, operatives involved very little extra expense to the operator, that it was considered essential tions of the nations of the world much study to proper machinery ar-which were very much disarranged rangement. It is now found that by consulting an engineer to study this feature, not only a more economical arrangement can be obtainthis readjustment are speeding up ed, but often very economical op-production, eliminating waste, pro- erations can be obtained by the reduction of the number of opera-

The ideal arrangement today is To speak of speeding up produc- found to be a plant that has the tion to most men means larger opener room adjacent to the cotton storage warehouse and blows the cotton over to the picker room, lo-cated on the second floor of the mill. From here the laps are taken to the card room where the cards are spaclously arranged, yet with economy of space. Ample space is provided in the picker room for storage of laps awaiting to be taken to the cards and also between the cards and drawing, or combers, as the case may be, and between the drawing and slubbers to care for the sliver cans and avoid congestion at these points. Too much stress cannot be placed to provide liberal space at this point. The fly frames are then this point. conveniently arranged around the slubbers.

> If the mill is only on fine yarn an elevator is placed at this end and the roving bobbin brought down to the spinning, twisting, reeling, balling, etc., with the shipping room at the end under the picker room. However if the mill is manufacturing cloth, a sash partition is generally constructed across the mill between the card room and spinning room. The spinning frames are so arranged that the yarn can be convenientcarried from the warp spinning spinning to the weaving room on first floor by means of the same ele-

In case of manufacture of automotire fabric and other goods requiring but few looms the spinning room is placed on the first floor as for fine yarn, and he cloth room is placed under the picker room.

During the years 1917-18-19, when the mills were being pushed to their utmost and additional equipment was hard to secure, many of the southern mills went to work to "put the house in order" and by an arrangement of the machinery on hand, along the lines mentioned above increased their actual pro-

duction from 10 to 15 per cent.
Up until recently, very little attention has been given to the preparation of the cotton for the finished production in this country. However, it is found in the manufacture of the finer grades of goods and yarn less seconds will be produced if *Paper delivered at meeting of and preparing of the cotton. By in-American Society of Mechanical En- stalling one or two vertical openin the opener room, slowing

reduce the waste and make machines in the later processes and thus increase the production of which I will mention later.

Humidity is no longer an experier production in cotton mills, which they work. through the efficiency of the ma chines and operatives as well as to the health of the operatives.

The cotton staple naturally contains from 10 1-2 per cent to 13 per cent moisture or regain. However, after the cotton has been opened and run through the pickers much this moisture is fanned out and will not contain more than 4 1-2 per cent moisture, which tends to make the staple more brittle.

As the cards are for the purpose of straightening and further cleaning the fiber it is well to have a low percent of moisture here so as to reduce the tendency to curl. From 5 1-2 to 6 per cent moisture

will be found sufficient.

In the processes that follow the regain should be as follows:

Combing, 7 or 8 per cent; spinning, 7 or 8 per cent; warping 8 1-2 to 9 1-2 per cent; weaving 10 to 11 per cent and cloth room 8 1-2 per cent. Humidity holds a very important place in the combing process for fair results are extremely difficult at this operation and here as well as during the roving process, the humidity applied furnishes a better product for the next step in manufacture.

The sliver, roving and yarn are improved in strength by the fiber being straighter, more elastic and not so brittle, which means less end breakage, which causes stopping of frames and loss of production and waste. It is also possible, because of the lower twist per inch of the roving and yarn to increase the speed of the front rolls and spin-

When it comes to warp preparation (twisting, spooling and warping) it is desired to strengthen the yarn and lay the twist for use in further manufacture. At this point humidity is very important to prevent end breakage and stopping of machines. This also holds true ir. the weaving. Each machine will be found to run almost continuously and in the case of weaving weaver will find it easier to attend to more looms.

In supplying humidity it should be borne in mind that the relative humidity and temperature should not run too high. If the relative humidity becomes greater than 80 per cent at 75 degrees F. creases the efficiency of the operatives, due to the depressing eion them. It is, therefore, ossential to have the humidity properly controlled with a uniform relamore time is given in the opening five humidity in the different departments, regardless of the condition outside.

With properly controlled humid-

chines have been added from time down the speed on the beaters of ity it will be found that the belts to time, wherever space could be the pickers and doffer of the card driving the machines and bands or found. There was a time when la- will increase the quality of the pro- tapes on frames will maintain a more uniform tension, producing a possible increasing the speeds of the more uniform speed and increase The temperature will production. be lower allowing the motors run cooler and the efficiency of the operatives will be increased due to ment but is found essential to prop- the more pleasant atmosphere in

> For many years the water wheel was the prime mover in textile mills, then came the development of the steam engine and its extensive use. The power was supplied to a main line shaft and from there to numerous counter-shafts to the rious machines. It can readily be seen that machines farthest from the source of primary power would not have the same speeds as those driven directly from the main line shaft. In instances it has been found that a variation of six to ten picks per minute occurs on looms from counter-shaft those driven by main line shaft.

In no industry is proper speed regulation so important as in the textile industry, and therefore, textile industry, and therefore, much study has been given, espec-ially in the past ten or fifteen years to develop a drive which would give constant speed.

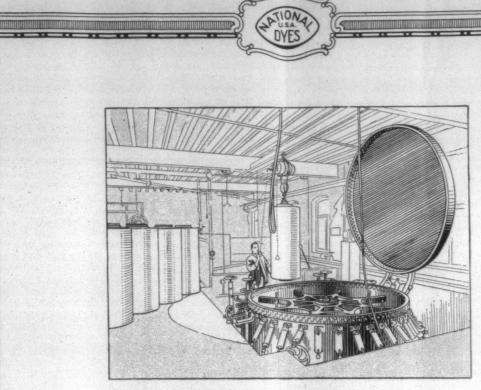
As far back as 1894, twelve years after the practical use of electricity was introduced, electric motors were applied to drive a textile mill. In 1904, ten per cent of the total horse-power was electric and today reaches practically 50 per cent. with about 65 per cent of this in the southern mills.

At first large motors were installto drive large groups of machines. This means reduction of size of shaft; more prime movers and consequently a more constant speed. With the introduction of alternating current the installation of motors to drive the smaller groups machines began to increase. 1909 about 20 per cent of the horsepower was electric and in 1914, 35 per cent was electric. In 1914 the average size motor was 50 horsepower, whereas the average size motor in 1921 had decreased to about 4 horse-power.

In introducing electric drive in the textile industry, two troublesome factors were encountered. One was the lint and the other humidity, but on the perfection of the squirrel cage induction motor, with a dustproof bearing and winding protected with moisteners resisting compounds, the number of motors installed began to increase in great proportions and today it is found "four-frame drive" and "individual drive" come nearest to obtaining a constant speed on ma-chines, both instantaneous and continuous. With a constant speed comes an increase of production and a possibility of increased speeds and further increase of production.

Each step toward the ultimate of individual motor drive had its advantage and now with the properly designed motor to meet the re-

(Continued on Page 8)



Yarn awound on cylinder entering Beam Dyeing Kettle

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The latest developments in the machinery for Cop and Beam Dyeing, make this one of the most effective and economical methods of dyeing yarn before weaving.

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The Company is prepared to assist machine dyers in the selection of the proper dyes necessary to obtain desired results of shade and permanence.

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The Cotton Industry of France.

The cotton industry in France represents a capital outlay of about abroad. five billion francs and gives employment to over 200,000 workers. Its equipment as regards machinery is quite modern and comprises 9,-600,000 spindles and 185,000 looms. (These figures were quoted by Mr. R. Laederich, President du Syndicat General de l'Industrie Cotoniere Francaise, and include Alsace-Lor-

the war in the North of France, according to Mr. Lacroix, Directeur du countries. Comptoir de l'Industrie Cotoniere.

The French Cotton Industry, which, according to Mr. Laederich ranks as the third most important in the world, coming immediately after that of the United States and England, is divided into four different centers of about equal impor-These are: the North, the Normandy, and Alsace. There is also an important center in the central region of France, according to the Foreign Information Department of the Bankers Trust Company

At the present time, the industry ing fundamental considerations:

1. It is entirely dependent on forchange

ciably higher than the national con- and 60 per cent of the national prosumption, the industry is obliged duction, more and more to look for outlets. On the

dustry million bales of raw cotton, repre- will experience (and France is one senting at the current rate of ex- of them) an ever increasing diffichange about 1,125 million francs, culty in satisfying their require-i. e. 4.77 per cent of the value of ments for raw material from United France's total imports for the year States. The same can be said of 1921. Out of this supply of one mil-British India where the number of lion bales, only 6,000 came from spindles has increased, by 36 per French colonies. The greater part cent and where the excess of pro-The number of spindles in the Al-was imported from America (71 per duction over native consumption is satian district more than counter- cent), 5 per cent came from Japan, used first of all to satisfy the needs the goods at the time he bought the balance the destruction wrought by 5 per cent from India and the bal- of the English and Japanese spinance from Brazil and various other ners

> This absolute dependence on foreign markets for raw material presents a serious danger in the opinion of Mr. Laederich. Sometime in the future the supply will no longer be sufficient to meet the demand.

from local supplies.

It is true that in the United States operates subject to the two follow- the average annual production may ed. have increased by more than 35 per cent within the last 20 years, but it sary, however, to obtain a closer coeign countries for its supply of raw is also true that within the same operation between the government ton goods. On the other hand, it is material, and consequently feels—period the number of spindles has and private initiative. The "Asso-estimated that consumption by the perhaps more than any other in-increased by 70 per cent. As a matciation Cotoniere Coloniale" which population of Alsace-Lorraine just dustry—the fluctuations in ex-ter of fact consumption has in-was quite recently formed may be about compensates for the loss in 2. Its production being appre- the last few years to between 50 this purpose.

On the other hand, non-producing countries generally have increased In 1920-1921, the French cotton in- their industrial equipment by about consumed more than one 41 per cent, so that it is evident they

> most important source of raw cotton, it cannot be said that the local industry has developed, but it is also ton, as expressed in francs, prevents rather a tendency to decline than to sales prices on any secure basis increase.

cotton, most of the important cotton raw material, the French cotton ingrowing countries (United States, dustry ought to encourage as much British India, China) possesses a as possible the cultivation of cotton flourishing industry, the growing in French colonies. The possibiliconsumption of which is satisfied ties with respect to the area which could be cultivated in the French colonial empire are almost unlimit-

creased by 62 per cent, rising within of considerable utility in achieving

One of the greatest difficulties which the French cotton industry has to face is the fluctuation in exchange. Together with the already sharp variation in price of raw material on the home market this presents a very difficult situation.

At the prices of the manufactured articles are regulated according to the prices of raw material at the time of purchase, either the manufacturer buys his cotton in advance at a high price and he has afterwards to sell the goods at a loss.

Or if he covered himself by selling cotton, it is the buyer who has to ers. take the risk of a fall in price. Sum-In Egypt, which is France's third ming up, it can be said that the excessive mobility changes, and also of the price of cottrue that the growth of cotton shows the manufacturer from establishing

Before the war, the exportable e sufficient to meet the demand. Mr. Laederich considers that in surplus of the French cotton indus-It must be remembered that while order to safeguard itself against try represented 3 per cent of the France does nothing but transform this future menace of a shortage of national production in spun cotton and 21 per cent in cloth. In normal times, the colonial market alone absorbed 50 per cent of these exports. Since that time the restoration of Alsace-Lorraine to French territory has considrably increased the number of spindles and looms.

d. The production has also been In his opinion is would be neces-raised by 25 per cent and 28 per cent respectively for spun and cot-French consumption caused by the 1,500,000 men killed in the war.

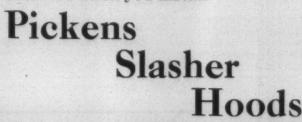
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takes into account the decrease in ier fabrics as duck, drill, and canproduction caused by application of vas, over 75 per cent of the total the eight-hour law and assumes the imports or nearly a third of a mil-purchasing power of the French lion pounds, came from the United timated at 5 per cent for spun goods sacks, the United States accounted and 20 per cent for cloth, in comparison with what would be normal the finer kind of goods, Great Britpost-war production and it is con- ain and Japan are large competitors. over-production.

clauses favoring Alsace with regard the United States. In passementerie, mark which has caused an almost conplete cessation of trade between

The problem of over-production is rendered all the more acute by the fact that, on account of the general economic crisis, home consumption has fallen off considerably and the colonies only absorb about 20 per cent of France's export.

Alsace and Germany.

Cotton Yarn and Cotton Cloth Market in Chile.

As practically one-half of the tex- of Commerce? tiles imported by Chile are made from cotton, the Chilean market would seem to offer opportunities for American cotton manufactures, says the Textile Division of the Department of Commerce.

The market for cotton goods and clothing in Chile is dependent on a few prime factors, one of the most important being the climatic conditions in the various sections of the Germany Federal Bureau for the To the north there lies a semi-tropical desert, in the central section a temperate region with ferbeen as yet but slightly developed

Imports of cotton yarn for spinning and weaving indicate that made great strides in developing a market. Statistics for the calendar year 1920, the latest official information available, show cotton yarns from the United States amounting to 1,111,460 pounds, compared with 627,112 from Great Britain and 113,-830 from Belgium.

In the cotton sewing-thread trade the United States is outstripped by the United Kingdom, which in 1920 shipped 545,000 pounds-nearly 10 the United States and 0 per cent of the total Chilean imports of this article in that year.

Chile's Purchase of Cotton Goods.

the United Kingdom, which is the roofing. largest source of supply.

those of the United Kingdom 876,-32; but of bleached cotton cloths the

In plain or twilled ticking a small ket. foreign trade is carried on.

According to Mr. Laederich, who and 6,000 from Spain. In such heavmarket to be the same as in 1914, States, this amount being nearly the French cotton industry actually four times that imported from the faces an overproduction. This is es- United Kingdom. In Osnaburgs for for practically the whole trade. In siderably higher than the pre-war Out of 75,000 pounds of handkerchiefs, 62,000 pounds came from the The Treaty of Versailles contains United Kingdom and only 1,500 from to special customs immunity for a 55 per cent of the trade originiated period of 5 years. But this is prac- in the United States and Japan, the tically offset by the collapse of the former shipping 30,000 pounds and the latter 27,000 pounds in 1920. Quilts and counterpanes came chiefly from United Kingdom, which shipped over 60 per cent of the 210,pounds imported in 1920, United States supplying only 30,000 pounds.

Germans Wearing Waste Cotton.

Ten per cent to fifteen per cent of all cloth now manufactured in Germany is made of cotton waste, says Acting Commercial Attache Breed, in a report to the Department

The principal German textile districts in which cotton waste manufacturing is carried on are Bavaria, Wuerttemberg, Baden, Rhineland and Westphalia. Many mills turn out cotton waste fabrics however working only part time on such yarns and fabrics. The total number of spindles employed in this industry is not definitely known, but the

While mule spindles are at present in more general use in cotton waste, spinning ring spindles seem tile farms and dense population, and to be more extensively used in re-to the south a cold region that has placements. Plain types of looms, chiefly the four-harness type, are in use, automatic or Jacquard looms are used only a very little. field the United States has condenser system is employed almost entirely for preparing the waste, the coiler system being al-

most wholly unknown.
All sorts of cotton waste materials are consumed by the mills, but linters, sweepings, rags, clippings, sliver, and bobbin waste are most common. The principal products made from these wastes light weight, coarse textiles which are largely consumed domestically by the peasant classes or extimes the quantity imported from ported to foreign countries with the United States and 0 per cent of very low foreign exchange rates. Other uses of cotton waste in Germany are in the manufacture of cheap blankets, felt, cleaning rags, As regards cotton cloths, only in and machinery waste, and a rather unbleached cloth is the United large quantity is consumed by paper States anything like a competitor of manufacturers in making paper

American exports of unbleached Mexican Opportunity for Bag Man-cloths to Chile were 977,465 pounds, ufacture.

The State of Colima, Mexico, af-United Kingdom sent Chile 2,373,031 fords an exceptional opportunity for pounds in 1920 compared with 388,- the manufacture of bags and sacks 242 from the United States. for which there exists a local marfor which there exists a local mara small ket. A suitable fiber supply exists Of 28,- within this district and machinery 1000 pounds imported in 1920, 8,300 now idle is also available, according pounds came from the United King- to a report from Clerk Reynolds, in dom, 7,500 from the United States, the Manzanillo Consulate.

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Baltimore Belting Company

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See the Oil Fly!

Flying oil must be replaced or you'll soon have to replace the bearings,

And the chances are that quite a few drops of that flying oil will land on cotton—causing oil stains, dam-

Avoid both trouble and expense-



NON-FLUID OIL can't fly from bearings—it's made so that every dfop stays in the bearings—yielding constant and positive lubrication to the machinery and lasting several times as long as wasteful oil.

The result—better and less costly lubrication and no more oil stains.

Better try it for yourself— We'll send testing samples free.

New York & New Jersey Lubricant Co.

401 Broadway

Sou. Agent LEWIS W. THOMASON Charlotte, N.C.

Ample Stocks at Our Branches



Increased Textile Production.

(Continued from Page 4)

quirements of the machine to be driven and mounted on the ma-chines themselves, and connected with silent chain or friction gears, it has been found that about 5 per cent increase of prduction results as well as 20 per cent less loom breakage in case of weaving; saving time and expense otherwise spent on tightening belts and rebab-itting bearings, and freedom regarding machinery arrangement and ex-

electric motors has been the development of the electric light to afford proper and sufficient light to the operative, which improves their environment, lessens accidents, lessens their labor and increases the efficiency of the operative as well as the machine, because it decreases

spoilage. The first consideration in lighting is to obtain as much daylight aspossible, as such light is by far the cheapest one can secure. But for days and for night work artificial light coming as near to daylight as possible is desirable. Well lighted rooms improves the morale of the plant and the place is kept neat and clean, and accidents are

prevented.

The sidewall of metal windows affords the best opportunity for making the mill light by daylight. These windows are architecturally attractive and are simple to operate and inexpensive to maintain. Wherever possible the installation of Monitor sash permits the light to fall more evenly on the work. Sash partitions, with the upper half glass allow proper transmission of light to different departments. The use of Mazda lamps with R. L. M. reflectors is considered the best form of artificial lighting. As large Mazda lamps are more efficient in illumination per watt consumed than small ones, the 100 watt, 150 watt or 200 watt Mazda C lamp on a 10 to 16 foot spacing will give the best and greatest illumination with the least shadow.

Three things must be taken into consideration to secure an efficient lighting system. The light must be of sufficient intensity, from a proper direction and of suitable qualiwith an absence of glare and shadows.

An efficient lighting system in a textile plant should not be judged by the wattage expended nor by the brightness of the lighting unit, but by the quality of the light on the work measured in glare free, shadow softened foot candles of illumina-tion. Glare in the eyes of the operative does not necessarily mean much light, but rather misdirected The average levels of illumination for the different processes of cotton manufacture are as follows: Opening, picking, carding and dyeing, 4.5 foot candles; driving and roving, 5.5 foot candles; spinning, twisting, warping, beaming and quilling, 6.5 foot candles, and weaving, inspecting and finishing 7 foot candles. Mills working fine materials or dark cloth will require a higher level of 12. quire a higher level of illumination than mentioned above.

direct light to give shadow or relief on the objects to make them visible in the three dimensions is a very desirable conditions in a textile mill, and the use of white paint a very satisfactory method of diffusing the light.

With proper and sufficient lighting in textile mills comes increased production because of greater accuracy and efficiency of the operadecrease in amounts of sec-Side by side with the progress of onds because of the lessened eyestrain and a decrease in the number of accidents. One operator writes that an increase of 17 per cent was obtained by changing the lighting from 1.5 to 9 foot candles. This resulted from a more rapid movement during the periods when hand operations were required on the machines.

> Certain speeds for line shafts and textile machinery have become recognized as standard. Most of these speeds have been established, however, from the use of the waterwheel and stea mengine as prime movers of the course were slow The lack of proper humidity and light also had its effect on these opeed regulations. However, with the introduction of the electric motor of high speed and especially the "four frame and individual drives," an elimination of shaft and moving parts is accomplished and an increased speed is possible the machines. As the speed of the front roll means the amount of production, an increased speed here increased production. means course, the constants would remain the same.

To make it possible to increase the speed of the front rolls, it is necessary that the cotton fiber must be sufficient elasticity and strength to withstand the strain placed upon The working conditions should

the best that can be obtained. If the proper attention is given to the opening and preparing the cotton fiber, and the properly controlled humidity and proper and sufficient light are installed an crease of speed can be accomplished by the application of the electric motor to "four frame or individual drive." I have outlined above what four frame or individual effect they would have with an increased speed.

The automatic loom is, with the exception of the drawing-in, tying-in and banding machines, the last work in the development of textile machinery with almost a human touch. With the use of the automatic loom the operative can attend to more looms, for with proper humidity control, they will run almost continuously. This not only means an increased production of cloth but production at a lower cost per yard. With proper and sufficient light, the operative can perform the hand operations, that may become necessary, with much great er dispatch and there will be less seconds produced. With the indi-vidual motor on automatic looms a much greater production than the old type loom can be obtained.

vented machines next to perfection humidiflers and electric equipment

Diffused light, either daylight or in automatic operation, yet the hu- (light and motors) the textile mills artificial, without contrast of bright man element enters greatly into the can secure a considerable increase and dark spots and free from sharp textile industry. In fact the full ef- of production. black shadows, but with sufficient ficiency of these highly developed machines depends very much upon the efficiency of the operative. The machines have to be fed and the manufactured product removed by hand. All the parts of the machines have to receive human attention so that each part may be attuned with the other and he whole operated to the efficiency for which it was designed.

The efficiency of the operative depends greatly on his contentment and interest in his work. His en vironment must be such that it will eliminate all possibility of depressed spirits.

Much has been written on welfare work and large industrial plants have put into effect numerous theories with great success in increasfrom their estabing the output lishments. I will not endeavor to go into detail on this subject but just mention a few points that have their effect on securing greater efficiency from the operative.

The southern operative, who is less fortunate who cannot afford hese luxuries. The textile operative forms a large percentage of this class and because they have a desire to better their conditions, becomed oppressed with the idea of oppression.

To make their living more pleasant, the introduction of modern appliances has been found to be very beneficial and the expenditure more than offset by results of work turned out. Waterworks and sewerage systems have been installed together with plumbing and electric lights in the houses. This has a considerable effect on the health and moral of the village and less operatives are off from work because of sickness.

Community buildings in which are provided reading rooms, game rooms, swimming pools, gyms and motion picture halls, which are selfsustaining have been found to hold the operatives together and provide them with enough amusement and things of interest that they will not desire the things beyond their

In conclusion I wish to call your attention to the several items which I have outlined above. There is much, however, that has been written on these subjects and they have often been discussed separately, in detail. It has been my object to give a brief outline of each of these items, showing their effect upon increasing the production of a textile mill. To this end it is necessary that the several machines be properly and economically arranged; that the cotton be properly opened and prepared; that properly controlled humidity and proper and sufficient light be provided and welfare work among the operatives be maintained. To still further secure an increase of production the speeds can be increased by using individual and four frame drive motors and automatic looms provided the first items prevail.

With the same plant and machinery, therefore, except with the intro-Although many a genius has in- duction of minor apparatus such as

Lockwood, Greene & Co. Becomes Massachusetts Corporation.

Boston, Mass.-Lockwood, Greene & Co. has been incorporated under the Massachusetts laws, it was anhas been nounced. The company incorporated under the Maine laws for several years. E. F. Greene, president, said there was no particular significance to the action.

The corporation, under its new charter, has a capitalization of \$1,-500,000 in 7 per cent preferred stock, \$1.740,000 common and \$200,000 class B stock, all of \$100 par value, the last named being identical with the common except that it has no voting power. All of this capitaliza-

Of the preferred stock, \$1,000,000 is being offered privately by Jackson & Curtis at par, with a 15 per cent bonus of class B.

More Cotton Consumed.

Washington .- Manufacture of cotton in May showed an increase over April, 495,674 bales having been consumed, or 48,831 bales more than April, the census bureau's monthly report indicated. Of the increase in consumption, the cotton growing states utilized 34,468 bales more than in April, while all other state utilized 14,363 bales more. Cotton growing states consumed 331,771 bales and all other states, 163,903 bales. More than 67 per cent of the month's consumption occurred in the cotton growing

Active cotton spindles showed an increase of 263,805 over April, the May total having been 31,653,061, of which the cotton growing states had 15,530,285.

May exports dropped 142,262 bales below those of April, with a total of 469,397 bales. That was smaller than May exports last year. For the ten months ending May 31, however, total exports were 5,451,800 bales, compared with 4,701,671 bales for the same period a year ago.



F. J. Domo & Co.

Cotton Brokers

Broad St.
Orders Executed For 10 Bales
or Multiples Thereof 116 Broad St. Members American Cotton Exchange

Six Sound Reasons Why The American Cotton Exchange Is Full Worthy of Patronage

The "AMERICAN COTTON EXCHANGE" is the only Cotton Exchange in the United States chartered for the purpose of buying and selling cotton in both Spots and Futures in lots of 10 BALES and multiples thereof.

The "AMERICAN" is also the only Cotton Exchange in the country whose contracts call for delivery to be made in the ten most advantageously located cities of the South in addition to New York. The great value of this plan is too apparent to require detailed comment here.

After a little over two years the "AMERICAN" has achieved exactly that which THE LARGEST COTTON EXCHANGE IN AMERICA had accomplished at the end of its twenty-third year, the memberships on the "AMERICAN" selling today for the same price as those on the older exchange sold at that time.

The volume of business transacted on the floor of the "AMERICAN" daily, weekly and monthly has made the marvelous increase of OVER 3,000 per cent in just two years, proving beyond all dispute that the Exchange is fully meeting a long felt commercial need.

The "AMERICAN" owns and occupies its own office building in the financial center of New York City, and in addition to being self-supporting is even now making substantial net profits—and remember only a good beginning has been made.

CHARTERED by the State of New York, efficiently guided by officials whose many years' practical experience with every phase of cotton, from planting to manufacturing, gives them mature executive judgment, and embracing numerous active members of proven capacity and trustworthiness as brokers, THE AMERICAN COTTON EXCHANGE is deserving of the support of all who are interested in Cotton.

OF INTEREST TO ALL WHO ARE INTERESTED IN COTTON

Any of the Members of THE AMERICAN COTTON EXCHANGE, Inc., listed below will be glad to open up negoiations with Mill Owners, Planters, Merchants and Cotton Factors with reference to handling their "Hedges" in any amounts from ten bales up on a marginal basis of TEN DOLLARS per bale. These firms will also furnish FREE Weekly Market Letters, and gladly give the highest Banking and Commercial Ratings.

Oliver & Houghton 59-61 Pearl St. New York A. T. Jennings & Co. 88 Broad Street New York

> Martin & Company 116 Broad St. New York

E. L. McGuigan & Co. 24 Stone Street New York

> Winfield Brothers 25 Broad St. New York

Eblin & Company 33-35-37 S. William St. New York

(These firms are members of The American Cotton Exchange Clearing Association, Inc.)

Overseer to Superintendent

Written exclusively for Southern Textile Bulletin by "Old Fixer", a man who has had long &varied experience in this work

Carding and Drawing.

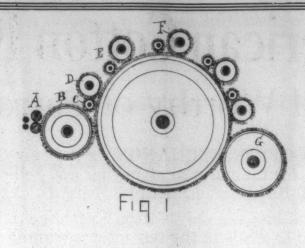
The roller card is shown in the sectional drawing in figure 1. The stock is fed to the roller A and thence to the licker-in cylinder B. The main cylinder then takes the staple, carrying it to the front of the machine where it is acted upon by the dirt cylinder and the workers and strippers in turn. The workers and strippers are designated C, D, E and F in the illustration. The cotton in process of being carded is passed successively from one set of workers to the other through the medium of the wire points of the revolving main cylinder. After the stock is fairly well disentangled and re-arranged in a sytematical order it is removed from the main cylin-der by the doffer cylinder G and passed to a trumpet-like tube which revolves and imparts ample twist to the strand to make it possible to run the same into a can or deliver to the railway head. There is no definite aim made during the carding to lay the fibers in an exactly parallel direction. The object is to mix, intermingle them and straightthem on one common, uniform system. After the cotton passes through the cards and separate filaments have practically the same relations to each other and hang in an endles film or gauze-like combi-nation that is soft to the feel and wooly in character. In cases that yarns of the higher counts are required the cotton is next put through the combing machines and subjected to drawing. The sliver is taken from the finisher card or the railway head and drawn by passing the same through rollers equal in diameter but speeded higher with each successive pair.

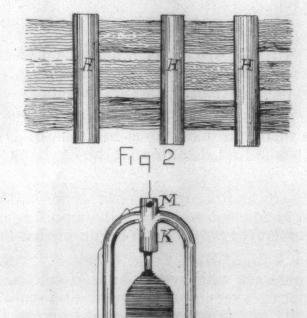
These rollers are designated H, H,

H in the diagram of this part of the drawing frame shown in figure 2. The amount of draft between The rollers is adjusted so as to draw the fibers without pulling them apart. This drawing out process tends to straighten and arrange the filaments in a more parallel and uniform or-In the adjustment of the cessive speeds of the three rollers, the first pair would be turned at about 110 times per minute, the second pair about 135 times and the third pair about 160 times. But the speed of the sets of rollers and the distances apart have to be determined by the length of the fiber, its features. The long staple cotton after the twist is imparted by the ated almost entirely by hand. The portion of drawing than the short If there is an excessive degree of drawing arranged for short staple cotton there will be breakage at the rollers and also a distubance and general dis-arrangement of the short staple stock which will show in defective drawing and spin-

The Fly Frame.

The principle of the fly frame is illustrated in the drawing of the





spindle and bobbin in figure 3. The revolutions of the flyer. These proflyer K is like an inverted letter U cesses of preparing the cotton for in form and is attached to the top of spinning are very different from the the spindle. The sliver leaves the systems employed fifty years ago, front rolls of the frame and passes In the olden days the carded stock into the head of the flyer at M, going was taken from the carding room down through the arm and coming on the spools of the finisher card out at the lower end at N and thence direct to the spinning frames.

spools with the filmants of cotton were placed on the drums of the spinning frame and th operator had to regulate the drawing by using judgment. There were not draft scrolls or bands to back the carriage off and this was done entirely by hand, although the action of the belt on the cylinder carrying the bands for the spindles assisted in the movement. After the carriage had been backed off and the draft complete the twist was put in, although sufficient twist was allowed to go into the strands during the drawing to retain the fibers of the silvers intact. After the twist was put into the ends the yarn was guided by hand fallers wires as the carriage was moved in and the direction of the drum carrying the spindle bands reversed.

It was not only a slow process but seldom resulted in the production of the fine, even yarn required to comply with the needs of the present

Equalization of the Ribbon.

To prevent to formation of an uneven ribbon during the processes of doubling and drafting of the cotton staple, the fibers should not be attenuated twice in the same direction in succession. It is easy to comprehend that any filament like a textile fiber will be more uniform and level throughout if attenuated from each end alternately than if subjected to this action from one end repeatedly. By the constant reversing of the order of elongated of the filaments, the individual fibers have an opportunity to adjust themselves and bear the strain of drawing better. Commonly a number of ribbons are combined and extenuated with a view of producing a soft, even sliver, which when twisted in the spinning machines will form a strand capable of bearing the friction of weaving either coarse of fine goods

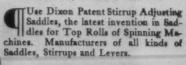
If a single ribbon of the fiber were drawn out without doubling with other ribbons, it would be likely to tear and break. Or if it retains its form during the elongated operation it would hardly result in a regular thread. It is combining a number of the ribbons into one strand that the defects of a single ribbon are corrected. Usually if six rib-bons are thus combined and drawn, the length of the final ribbon will be he sum total of the six ribbons if stretched out end for end

British Cotton Yarn Market Firm.

Trade Commissioner Butler re-ports that owing to the exceptional demand for British cotton yarns for export, the yarn prices in England are firmer than those prevailing in the cotton cloth market. ittle actual business has recently been done in cotton piece goods for export, however, and improvement has recently been noted in the trade with

DIXON LUBRICATING SADDLE CO.

BRISTOL, RHODE ISLAND



WRITE FOR SAMPLE

Contest Winners Announced

The contest on "If I Were Build- (No. 38), and Builder (No. 20). ing a Mill" has been completed and the decision of the judges show the following to be winners:

First Prize (\$25).

D. W. League, Greenville, S. C.

Second Prize (\$15).

W. V. Jones, Goldsboro, N. C.

Tied for Third Prize (\$10).

H. Gibson, Sr., Dennison, Tex. W . Parrot, Hanes, N. C. W. P. Hazlewood, Anniston, Ala. E. R. Stall, Greenville, S. C.

The men who acted as judges and S. C. decided the contest without knowing the names of the contestants or even the names of the other judges were as follows:

The Judges.

J. E. Sirrine, Greenville, S. C. W. Roberts (Roberts & Co.), Atlanta, Ga.

(Lockwood. Norman Pease.

Greene & Co.), Charlotte, N. C.
Oliver G. Murphy, Shawmut, Ala. Frank J. Clark, Anderson, S. C. F. Gordon Cobb, Lancaster, S. C. T. W. Mullen, Roanoke, Rapids, N. C.

Three of the judges are experienced mill engineers while the other four are experienced and successful mill superintendents.

Votes of the Judges.

as named above (note particularly N. C., and E. R. Stall, Greenville, S. C. that fact) were as follows:

Judge No. 1.

Best-Hoyle (No. 40).

Second-Tom, Dick and Harry (No. 31)

Honorable mention to Sambo No. 38), R. U. Milwright (No. 22), Plumer (No. 11), and Traveler Ring

Judge No. 2.

Best-Dencot (No. 15).

Second—Sambo (No. 38). Be. Honorable mention to Experience S. C. No. 10), Carder (No. 18), Longset (No. 28), and Red Eye (No. 43).

Judge No. 3.

Best—Builder (No. 20)). Second—Reed (No. 8).

Honorable mention to Traveler Ring (No. 5), Old Top (No. 7), Long-set (No. 28), and Red Eye (No. 43).

Judge No. 4.

Best—Plumer (No. 11). Second—D. C. L. (No. 24).

(No. 7).

Judge No. 5.

Best-Hoyle (No. 40). Second—Traveler Ring (No. 5). Ga.

Honorable mention to Sambo
(No. 38), D. C. L. (No. 24), Jay Jr., Charlotte, N. C., W. P. HazleGreen (No. 26), and Experience wood, Anniston, Ala., and C. S. Tatum, Bonham, Texas.

Ga.

Honorable mention to E. B. Hook, and manufacturer can put out is if nan the time of the south is perfect on leather roll ing educated up to the place where better results.

Rovin Second-Traveler Ring (No. 5).

Best-Red Eye (No. 43).

Judge No. 7.

Best—Competition (No. 2). Second—LaFayette (No. 39). Honorable mention to R. U. Millwright (No. 22), Plumer (No. 11), and D. C. L. (No. 24).

Contestants' Names.

Substituting real names for assumed names we have the following as the vote of the judges:

Judge No. 1.

Best-D. W. League, Greenville, S. C.

Second-J. O. Edwards, Lancaster,

Still, Rock Hill, S. C., Ed B. Hook, V. Jones, of Goldsboro, Jr., Charlotte, N. C., W. P. Hazel- place and the \$15 prize. wood, Anniston, Ala., and J. L. Dorn, Westminster, S. C.

Judge No. 2.

Best-W. H. Gibson, Sr., Dennison,

Second-Fred L. Still, Rock Hill,

Honorable mention to T. J. Mc-Neely, Durham, N. C., B. L. Solesbee, Asheville, N. C., J. B. Long, Albemarle, N. C., and E. R. Stall, Greenville, S. C.

Judge No. 3. Best—C. W. Parrot, Hanes, N. C.

Honorable mention to J. L. Dorn, The votes of the judges in the Westminister, S. C., T. W. Harvey, order received but not in the order Millen, Ga., J. B. Long, Albemarle,

Judge No. 4.

Best-W. P. Hazlewood, Anniston, Ala.

Second-C. S. Tatum, Bonham, Texas.

Honorable mention to J. R. Killian, LaFayette, Ga., P. A. Smith, Colum-consolation of knowing that those bia, S. C., E. B. Hook, Jr., Charlotte, who won did so by a very small mar-N. C., and T. W. Harvey, Millen,

Judge No. 5.

Best-D. W. League, Greenville,

Second-J. L. Dorn, Westminister,

Honorable mention to Fred L. Still, Rock Hill, S. C., C. S. Tatum, Bonham, Tex., J. W. Gibson, Atlan-ta, Ga., and T. J. McNeely, Durham, N. C.

Judge No. 6.

Best—E. R. Stall, Greenville, S. C. By D. W. League, Greenville, S. C. Second—W. V. Jones, Goldsboro, N. C.

Honorable mention to J. B. Long, Honorable mention to LaFayette (No. 39), Modern (No. 19), R. U. Mill-N. C., Fred L. Still, Rock Hill, S. C., wright (No. 22), and Old Top and C. W. Parrot, Hanes, N. C.

Judge No. 7.
Best—W. V. Jones, Goldsboro, N. C.
Second—J. R. Killian, LaFayette,

Under the rules of the contest a cessfully and economically Second—Competition (No. 2). vote for first place counts one (1)
Honorable mention to Longset while a vote for second place counts
(No. 28), Slim Jim (No. 32), Sambo one-half (½) vote. Compiling the vote for first place counts one (1) ated.

Votes
D. W. League 2
W. V. Jones 11/2
W. H. Gibson, Sr 1
C. W. Parrot 1
W. P. Hazlewood 1
E. R. Stall 1
J. O. Edwards ½
Fred L. Still 1/2
D. G. Reid 1/2
C. S. Tatum ½
J. L. Dorn ½
J. R. Killian ½
It will therefore be seen that D.

W. League, Greenville, S. C., won Honorable mention to Fred L. first place and the \$25 prize, and W Jones, of Goldsboro, won second

> For the third prize of \$10 there was a tie between W. H. Gibson, Sr., Dennison, Texas, C. W. Parrot, Hanes, N. C., W. P. Hazlewood, An-niston, Ala., and E. R. Stall, Greenville, S. C.

Honorable Mention.

The following is a tabulation of those who received honorable mention votes which however did not count in the contest for the prizes: Fred L. Still, Rock Hill, S. C. Ed B. Hook, Jr., Charlotte, N. C... J. B. Long, Rock Hill, S. C...... W. P. Hazlewood, Anniston, Ala.. Second—D. G. Reid, Hogansville, J. L. Dorn, Westminister, S. C.... T. J. McNeely, Durham, N. C.... R. Stall, Greenville, S. C..... W. Harvey, Millen, Ga..... T. S. Tatum, Bonham, Tex..... B. L. Solesbee, Asheville, N. C... R. Killian, LaFayette, Ga..... A. Smith, Columbia, S. C..... W. Gibson, Atlanta, Ga..... K. Dry, Landis, N. C..... W. Parrott, Hanes, N. C.....

Those who failed to win have the gin and that no two sets of judges would probably return the same winners in a contest of this kind as ideas that appeal to one judge would not make an impression on another.

As the judges did not know the names of the writers or even the names of the other judges they each decided the matter upon the merits

The Prize Winning Article.

I would equip my mill to make medium and fine plain and fancy goods with colors to meet the demand of the trade.

My reason for making this class of goods is:

(a) The trade is being gradually educated to use the finer quality of merchandise, hence the growing deers on the market, also two processes of drawing, with metallic rolls.

Building.

I would build a reinforced con-

votes of the judges on that basis crete structure of two stories for the carding and spinning. The first Votes floor should be of heavy concrete for the carding. The second floor should be of reinforced concrete for the spinning, spooling, cone winders, twisters and warpers. I would build an ell to the south corner of this building of same construction as above, first floor for picker room, second floor for slasher room. I prefer this type of building because of the fine adjustments it is necessary to have on machines to make fine work, which cannot be obtained

in the ordinary mill building.

The weave room should be built on the south side of carding and spinning mill of one story with saw-tooth type roof. These buildings should be arranged in this manner to take advantage of the natural atmospheric and temperature conditions which in a measure determine the running of the work in each department. All modern light features should be taken advantage of as far as practical. Opening room and cotton warehouse should be placed at west end of carding and spinning mill. Cloth room and cloth warehouse to west side of weave room and near enough to cotton warehouse to be accommodated by one switch track.

The power plant should be located at the southeast corner of the carding and spinning mill (if power is generated by steam). The village should be of modern type with special attention given to sanitary, lighting, social and spiritual feasanitary,

Opening and Lapping Machinery. I would recommend a large open-

ing room equipped with vertical opener, with at least two large bins to receive cotton when run through opener. The picker room should be equipped with automatic feed sys-Three processes of Kitson tem. pickers equipped with Atherton feeding slow and light The pickers should be evener. cleaned. equipped with individual drive. In this department as well as in carding and spinning I would resort to the plan laid down by Woodrow Wilson: "I would use all the brains of the articles as they appeared to I have and all I could borrow" of the active members of the S. T. A. and especially its foundation depart-

Cards and ribbon lappers should be separated from other machines by fire wall. I would equip for light quick carding and use the best vacuum stripping system. I would equip these machines with group

and manufacturer can put out is If half the time and care is expend-finding a ready market. ed on metallic rolls that is required on leather rolls they will give much

Roving Machinery.

I would equip with slubbers, intermediates and speeders with jack frames to take care of the finer (Continued on Page 41.)

Jobbing Trade Improves

credit men for leading commission made. houses and mills, who check some Further than this, credit men dation and readjustment of their afaccounts in the jobbing trade as high point out, it is quite likely that fairs.

as \$250,000, says The Daily News many concerns will have remained The small jobbing houses, how-

eral showed a loss on paper in 1921, clared, a number will show losses. iness done, a writing off of inven- said to be much larger, ment of business.

of buying in contrast to the war-

throughout the present year, and as effect no improvement seems near, credit lines.

that of a year ago, according to that little, if any progress has been

stationary insofar their net While the jobbing trade in gen- worth is concerned, while, it is de-

Stocks of merchandise today as this was mainly due, credit men say, Stocks of merchandise today as to a decrease in the volume of hus-compared to the pre-war period are tories and to the general readjust- standing that strenuous efforts have been made to reduce inventories.

Some purchases made by the jobtime practice of heavy inventories. bers' customers are being held for In view of adverse conditions delivery until after July 1, when a present conservative policy is found-which have prevailed more or less decrease in freight rates goes into ed upon sound business principles. This is also true of other effect.

ones, due to their ability to take portance of taking taxes into con-losses necessary to a proper liqui- sideration when checking credits, it

ever, is also said to be making con- it be a very large one, short of siderable progress toward bringing liquid funds to meet the demand. its business back to a pre-war basis, and while some few of these concerns were in some instances renotwith- quired to ask the indulgence of their Operations showed a loss of approxi-

> learned a severe lesson in the wartime inflation period, and that their ed upon sound business principles. This is confirmed by credit agency reports, it is pointed out, which say that there have been but a normal volume of inquiries on jobbers re-

> The head of one of these agencies declared that credit men seem to have a thorough grasp of the present situation and a full understanding of the fact that there is no need any undue caution in checking jobbing accounts at the present moment.

> It is a noticeable fact in the jobbers' statements that quick assets are showing a much larger ratio to liabilities than they did during the war-time period. One of the larger houses shows a ratio of quick assets to current liabilities of 3.81 against 2.17 a year ago.

Despite the fall in merchandise values there is an increase in some quarters of the jobbing trade in indebtedness, but credit men feel that this conditions undoubtedly is only temporary and is made necessary by the need of some concerns for more cast to meet current bills.

Credit men for commisson houses some cutters-up at the time of the sharp decline in merchandise values from peak prices, say that in practically all instances, jobbers expressed a willingness to live up to their merchandise contracts, and that the large depreciation shown in the net worth of some concerns is directly traceable to this merchandise having been taken in at high contract prices and later sold at a loss.

land and buildings on which the buscarried on.

Most of the jobbers are placing general tendency among jobbers to a conservative estimate on their in-decrease where some unusual deventory valuation on the basis of cost or market prices, whichever is itself. lower. There also seems to be a The volume of business done by tendency toward either writing off the jobbers, while it fell off some-or reducing the amount carried for what in 1921, reveals a good turn-

The financial condition of dry authorities are inclined to the be- In general, the larger jobbing have verified the internal revenue goods jobbers throughout the coun- lief that financial exhibits at the end houses are said to be in a better assessments. This is in line with try shows much improvement over of the year will in many cases show financial position than the smaller the realization of the growing imbeing pointed out that unexpected demands for large amounts of taxes are liable to find the concern, unless

One of the large jobbers in the middle west shows a volume of business in 1921 but half of that of 1920. creditors to tide them over the liqui- mately \$500,000. Inventories and the dation period, their general condi- cash position showed a decrease, The present policy of the jobbers Some concerns, it is pointed out, tion is said to average. In the notes payable and a require is one of a further reduction of reduce commitments made for fall better than that of a year ago. In the notes payable and a require is one of a further reduction of reduce commitments made for fall better than that of a year ago. In the notes payable and a require is one of a further reduction of reduce commitments made for fall better than that of a year ago. In the notes payable and a require is one of a further reduction of reduce commitments made for fall better than that of a year ago. In the notes payable and a require is one of a further reduction of reduce commitments made for fall better than that of a year ago. In the notes payable and a require is one of a further reduction of reduce commitments made for fall better than that of a year ago. In the notes payable and a require is one of a further reduction of reduce commitments made for fall better than that of a year ago. In the notes payable and a require is one of a further reduction of reduce commitments made for fall better than that of a year ago.

The present policy of the jobbers Some concerns, it is pointed out, tion is said to average. In the notes payable and a require is one of a further reduction of reduce commitments made for fall better than that of a year ago. than the 1920 statement, the proportion being 1.81 against 1.63.

As seems to be general with the whole jobbing trade, credit men are inclined to be more than willing to check this concern's regular business requirements.

Another Middle Western dry goods jobher shows a surplus of approximately \$500,000 less than that of his 1920 statement. This, however, was after writing off the good will of \$1,500,000, which was included in the The stock of this 1920 statement. concern expanded about \$3,600,000 in 1921, while customers' notes and accounts receivable showed shrinkage of about \$1,400,000. The 1921 statement shows, however, that the concern has about \$200,000 more in cash on hand than it had at the end of 1920. An increase in indebt-edness to bankers and brokers is shown while the amount owing for merchandise is approximately \$200,-000 more. This concern, as did most of the other jobbers, either anticipated its last season's bills or met them promptly.

concern of the Texas district which made good financial progress until 120, shows a loss in their current statement, but a condition in general which is considered satisfactory. In many instances the jobbers who had considerable trouble with show that their accounts receivable and cash are more than sufficient to cover all of their indebtedness. An increase in notes receivable in some instances is also noted, indicating that many of the jobbers's customers have closed their accounts with notes. In many instances the notes receivable item is more than double that of a year ago.

A Northwestern jobbing concern despite a steady falling off in net There is little real estate shown worth since 1919, and a more or less in the statements outside of the uneven increase in liabilities, has not been compelled to make use of iness of the various concerns are its full line of banking accommodation. In fact, there seems to be a mand for ready cash has manifested

considering conditions, over. Many of the statements point out compares favorably with the volunce that government agents have ex- of husiness transacted in years prior amined the books of the firm and to 1920.

TRUCTURAL and Bar Steel, Ornamental Iron, Lup-5 ton Steel Windows, Chicago Tanks and Towers. REINFORCING BARS AND LUPTON STEEL WINDOWS n stock in our Charlotte warehouse. Immediate shipment. We are prepared to cut and fabricate reinforcing bars. Send plans or list of material for prices. Our Engineering Force is at Your Service.

SOUTHERN ENGINEERING COMPANY 4 Realty Building

BUDD PRODUCTS

BOILER FRONTS

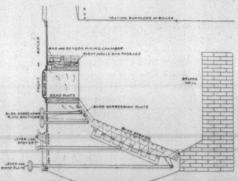
Buckstays T Covering Bars Floor Plates Doors Door Liners

GRATES Budd Stationary Grates Herringbone Grates Straight Gates Universal Shaking

Grates

Pin Hole Grates Budd Dumping Grates Budd Stationary Circle Grates Budd Circular Dumping Grates Old Style Circle Grates

Firestone Furnace Cement Budd Babbitt Metal



THE NEW BUDD FURNACE

BUDD GRATE COMPANY 2011-25 East Hagert St. PHILADELPHIA, PA.

E. S. Player, Manager Greenville, S. C. office

goods and cash discounts are regupiece is rejected and sent back to larly taken advantage of. This conthe mill.

Cold water shrinking is conducted conditions in the country.

was shown.

Greater Turnover This Year. Most of the jobbers turn their Most of the jobbers turn then stocks over three or four times ing.

When dry the cloth is taken down, when dry the cloth is taken down, machine during the year, in normal times, policy in vogue, it is felt that this year will show a larger turnover.

A California concern whose credit that of the year previous.

In one or two instances among the the exact condition of the business were made. This, however, was not considered unusual, as it has been the policy followed by these houses for a number of years, their finan-cial strength and ability to either anticipate or meet their promptly being widely known.

There seems to be a growing inhave their annual statements certistatement apparently finding more ready aceptance at the hands of credit men in many instances. In addition to this many jobbers are having accountants install modern systems in their business finding that various economies are effected in this way.

The majority of the jobbing houses started business either under an individual or as a copartnership, later incorporating after their business had grown to a larger scale. Most of the leading jobbing houses are now operated as corporations.

The present volume of business is said to not yet be up to that of pre-war years, but with the steady improvement of general business conditions, it is believed that most of the jobbers wil show a normal expansion in sales. The assets of the jobbers as shown by their financial statements, show a depreciation, but it is pointed out that practically all of the statements show a better balance between assets and liabili-ties than during the early liquidation period.

Shrinking Cloth.

Cloth sponging is divided into have three branches—examining, cold of te water or London shrinking, which is box. and steam shrinking, or sponging, which was devised as a time and a knuckle back link labor-saving device. Before bolts of regulate the pressure. cloth are put through any of the processes every yard is inspected by cloth examiners. These men pull fects, is passed over a hollow metal cloth over a rack or perch, and all cylinder having therein a great defects found by them are marked number of small perforations conby a tape put in the selvage of the (Continued on Page 24.)

A Maryland jobbing concern, al- goods. These distinguishing marks though it has members on the di- are put in the material for the rectorate of three different banks, purpose of guiding the cutter, so has put its business on a basis withree that they may avoid placing the deit is operated without any aid from feets in the clothing. When the the banks whatsoever. Cash is paid examiners find that the defects run on the receipt and acceptance of higher than a certain standard, the

jobbing houses, is said to show one by running the bolts of cloth of the most satisfactory financial through a tank of clean cold water A jobber in Arkansas reduced his emerges from the tank a spray of indebtedness approximately \$913,000 cold water under pressure is thrown in 1921, while a decrease of net against the cloth. It is then run worth of only approximately \$42,000 through wringers to dispose of the excess water, and is dried by being hung for from 12 to 48 hours on wooden racks attached to the ceil-

but with the present hand to mouth measured on a measuring machine then rolled or wound hoards; some shops use a combination measuring and winding mastanding remained first class during chine. It is then ready for the tail-1921, still kept down its purchasing oring trade. This process is known to a point considerably lower than as the London or cold-water process of shrinking.

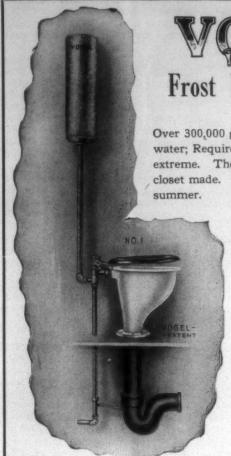
Warm water is used in some faclarger jobbers, no statements as to tories instead of cold water for certain weaves, while other factories use drying machines to accelerate the process of drying after the cloth has been run through the dampening machine. This machine consists of a rectangular chamber approximately 25 feet long, 10 feet wide and 8 feet high, and at the top of the chamber are placed racks of wood over which the rolls of damp cloth fied by accountants, these certified are slowly drawn by motor power, about 15 minutes being consumed in drying a 75-yard bolt of cloth.

In a compartment at the side of the chamber coils of steam pipe are installed, three fans being used to distribute the heat evenly through-out the drying chamber. This is an elaboration of the London process putting them to work ..: AOINNN and does not roughen or disturb the nap of the cloth, thus obviating the necessity of refinishing the goods.

Refinishing is often necessary when the nap on the cloth is roughened or disturbed; different ma-chines and processes are used to restore the cloth to its proper condition for the trade. In some places the cloth in run over a smooth roll and endless sleeve, thereby smoothing and finishing it; in other places a refinishing process is used, especially for canvas. After canvas is shrunk and dried it is ofter somewhat wrinkled and it is put through this type of pressing machine, which automatically smooths and presses goods between flat chambers heated by steam.

In another process of refinishing the cloth is placed in folds, between pieces of cardboard, which are then piled between steel plates which have been heated to a proper degree of temperature in a metal heating These piles are placed in a the older branch of the business, press and pressed until the cloth is smooth and the nap lies properly, a knuckle back link being used to

In the horizontal roll process the cloth, after being examined for de-



Frost Proof Closets

Over 300,000 giving satisfaction. Save water; Require no pit; Simple in the extreme. The most durable water closet made. In service winter and

> Enameled roll flushing rim bowls.

Heavy brass valves.

Strong hardwood seat.

Heavy rivited tank.

Malleable seat castings will not break.

SOLD BY JOBBERS EVERYWHERE

Joseph A. Vogel Co.

Wilmington, Del.



TEXTILE MACHINERY

Manufacturers of the following machines:

COTTON MACHINERY

Opening Conveying Distributing Picking
Revolving Flat Cards
Sliver Lap Machines
Ribbon Lap Machines
Combing Machines

Drawing Frames
Roving Frames Spinning Frames Spoolers Twisters Reels Quillers

COTTON WASTE MACHINERY

COTTON AND WOOLEN SYSTEMS

Pickers Willows Card Feeds Full Roller Card Condensers Tv Special Spinning Frames

Revolving Flat Carde Derby Doublers Roving Frames Spinning Frames Spoolers

WOOLEN MACHINERY

ard Feeds Full Roller Cards Condensers
Wool Spinning Frames

WORSTED MACHINERY

Cone Roving Frames

MAIN OFFICE AND WORKS WHITINSVILLE, MASS, U.S.A. SOUTHERN OFFICE CHARLOTTE, N.C.

Contest Winners. (Continued from Page 11.)

counts. Enough machines should be provided to avoid high speeds and long drafts. Each machine should be equipped with individual motor drive.

Spinning.

would install spinning frames with 224 tape driven spindles, with No. 1 flange rings. Filling frames with traverse to conform to quill used. Warp frames with filling wind and no separators. equipped with individual motor

Spoolers.

use filling wind stock.

Warpers.

Warpers should be equipped with V type creel, also extra combs to take care of special colored work dyed by Franklin process.

Cone Winders.

ers and cone winders with group bins as needed. drive.

Twisters.

medium and fine work, with individual motor drive.

Slashers.

Slashers should be equipped with size circulating system and automatic size temperature control. Size boxes and kettles should be lined with heavy copper inside and covered with asbestos on outside. All size pipes and pumps should be of brass. Slashers and pumps equipped with group drive.

Beaming Machinery.

Instead of using beaming machinery for colored goods I would have my yarn dyed by Franklin process, which I consider more economical.

Weave Room.

I would equip with 36 and 40-inch looms for plain, box and fancy dobby work, equipped with group drive from below, a line of shafting to each line of looms.

Cloth Room.

I would equip cloth room with Curtis & Marble machines and have cloth inspected by hand and ma-chine . Machines equipped with group drive.

General Efficiency.

for heating with automatic regulator. I would equip with the best humidifier on the market with automatic regulators in carding, spinning, weaving and cloth rooms. Section beams should be handled on overhead trolley from warpers to slasher room. I would use fibre boxes for handling roving and yarn.

The Second Prize Article.

By W. V. Jones, Goldsboro, N. C.

select a locality having maximum metallic rolls, second and third 11/4-natural advantages for textile man-inch diameter; front roll at 325 not ufacture, secure first-class power from a central plant and erect build-motion, 3½-inch space required beings of slow burning, standard mill tween, can and coiler tube gear. construction materials. I would use Slubbers. heavy timbers and sub-flooring given Six slubbers, 11x5½ inches, 72 an injection of creosote oil, giving spindles each; 3 left hand, 3 right special care to rigidity of founda- hand, fitted with ball bearing top tions, to walls, light, floor space, rolls, front roll 1 3-16 inches diamventilation and elimination of vibra- eter.

tion from both productive and humanitarian standpoint.

I would use two stories for card- lows. ing and spinning, one story for Twelve intermediates, 9x4½ inches, weaving, opener and picker room 108 spindles each, 6 left hand and 6 annexed on one-story main building right hand, ball bearing top rolls, approximately 100 feet wide, protected by all requirements for minimum insurance rate. I think a mill of about 25,000 spindles is a very economical size to avoid excessive overhead. A competent superintendent can better look after all details from opening to shipping room and be overtaxed.

The village and houses would be in keeping with the plant, conveni-Spoolers should be equipped to ent, modern and comfortable, with spinning room: se filling wind stock.

One hundred operatives per home

Opening Equipment.

I would use a fire wall from pick-Would install two bins room. holding 20 bales for alternate use; one Saco-Lowell No. 5 automatic Cone winders should be of latest feeder with No. 5 condenser head type. I would drive spoolers, warp- arranged to deliver to one of two

Picker Room Equipment.

Picker room equipment would con-Twisters should be equipped for sist of dust pit 5 feet deep, flue opening, combined area of all machines flues entering pit to discharge 21/2 feet from ground; fire wall between opening and picker room; three vertical openers with breaker lappers; 20-inch two-blade beater at 1,000 r. m., to strike cotton not more than 30 blows per inch delivered section, with Buckley style beater and No. 5 feeder attached. This arrangement would eliminate intermediates and five finisher picker have Kirschner beaters at not over 900 r. m., all machines to have ball bearings, Brown-St. Onge grids, Tyson safety lap racks, individual drive, Saco-Lowell, Kitson ma- I would use the chines. I would use nothing under room equipment. 1-inch good middling cotton.

Carding Equipment.

Carding equipment would be as follows:

Seventy-six 40x50 inch revolving flat cards, latest model, cylinder roller bearings clothed with 100s wire at 375 pounds tension to run at 160 room, would fold and bale goods, or 1,200 spindles, approximately 22,p. m.; doffer 27x40 inches, clothed with 110s wire at 11 r. p. m.; flats 110s wire with five points for setting made fast to flexible bend would equip with steam pipes to force each way as required. would have all right hand cards, if possible, equipped with Cook vac-uum stripper, motor drive in secapproximately to card pounds per 60 hours.

Drawing Equipment.

Drawing equipment would be as follows:

Two processes, 6 deliveries, 10 heads; first process 6 deliveries, 10 heads; second process with pass way or alley allowed in center of frames, to drive in sectitons of five heads from card counter if convenient; If I were building a mill I would back and front rolls 1%-inch dia. over 350 r. p. m.; mechanical stop

Intermediates.

1 3-16 inches diameter front roll.

Speeders.

Thirty-four speeders, 7x3½ inches, 158 spindles each, 17 left and 17 right hand, ball bearing top rolls, front roll 1% inches diameter; all frames group drive, arranged that stock in process would not pass over same floor twice.

Spinning (Second Floor).

I would use the following in the

and twenty-four frames of 212 spindles each, medium weight spindles, tape drive; 68 warp frames equipped with filling wind, 34-inch space, no separators; 1%rings; traverse diameter 61/2 spindle, speed not over 9,500 r. p. m., four-frame drive; 56 filling frames, 1%-inch rings, 2%-inch space, no separators; spindles at 8,200 r. p. m.

Spooling and Warping.

Spooling and warping as follows: Ten spoolers, 120 spindles each, tape drive, with tension arranged for filling wind; 4-inch spool heads; section beams warpers cylinder, rise roller. I would have subwall between spinning and warping arranged for the advantage of light, elevator shaft at end to enter weave shed; 26-inch diameter beam heads.

Slashers.

2 Saco-Lowell slashers, 7-ft. cylinders; 8 beam creel with circulating system for size; Barber-Coleman tying machine.

Weaving.

I would use the following weave

Eight hundred automatic, twomotor drive from below, producing 40,000 pounds per 60 hours; 68x68 40-inch 4-yard gray goods.

Cloth and Shipping Room.

using Curtis and Marble machines; Intermediate equipment as fol- entire mill equipped with automatic humidiflers.

Program.

My manufacturing program would be as follows:

Fourteen-ounce breaker laps, 50 yards long; 13-ounce finisher laps, 52 yards long; 45-grain card sliver; draft 120, allowance 5 per cent; production 600 pounds per 60 hours; 27inch doffer at 11 r. p. m.; 450 r. p. m. on 9-inch licker-in, 2 card grinding, at drawing; double 6 draft, six processes, 45-grain sliver, front roll at 325 r.p.m.; production possible 750 pounds per delivery 60 hours; slubbers, 3.85 draft; weight 144 grains per 12 yards; allowance for contraction, 3 per cent; 69 hank roving, 84 turns per inch; 200 r. p. m. front roll; production 17 pounds per spindle per 10 hours, or approximately 44,000 pounds per week from room.

Intermediates, drafted 5 inches; weight 57 grains per 12 yards; 1.75 hank roving; turns per inch 1.50; front roller at 150 r. p. m.; production per spindle, 5½ pounds per 10 hours, or 43,678 pounds per week from room.

Speeders, drafted 6 inches; weight 19 grains per 12 yards; 5.36 hank roving turns per inch 2.95; front roll at 115 r. p. m.; production 1.35 pounds per spindle per 10 hours, or 41,816 pounds from room per week.

Warp Spinning.

Double roving, drafted 10.26. No. 27s yarn, twist based on 4.75 times square, or 25 turns per inch; production .254 pounds per spindle in 10 hours, or on 14,416 spindles per week, 22,000 pounds.

Filling.

Drafted 11.78; No. 31s yarns, twist based on 3.50 times square, or 20 turns per inch; production .250 harness plain looms, 40-inch section pounds per spindle per 10 hours, or 11,872 spindles per week, pounds.

Spoolers.

Spindles not over 800 r. p. m., I would put a wall between weave production 19 pounds per 60 hours,

Seaboard Air Line Railway

WEEK-END EXCURSION FARES To

SEASHORE AND MOUNTAIN RESORTS.

From Charlotte,	Round	From Charlotte,	Round
N. C. To	Trip Fare	N. C. To	Trip Fare
Portsmouth, Va		Hickory, N. C	
Virginia Beach, Va		Lenoir, N. C	
Wilmington, N. C	8.15	Linville Falls, N. C.	
Wrightsville Beach, N	T. C 8.60	Alta Pass, N. C	
Rutherfordton, N. C	3.45	Spruce Pine, N. C	
Lincolnton, N. C	1.40	Switzerland, N. C	
Shelby, N. C		Unaka Springs, N.	

Tickets on sale Fridays and Saturdays June 16th to September 23rd, with final limit to Tuesday following date of sale.

For further information call on Ticket Agent or address

E. W. LONG,

Division Passenger Agent, Charlotte, N. C.

Warpers.

Three hundred and ninety-two Staunton. ends to beam, producing 50 yards per minute.

Seven beams in creel, 2,744 ends in loom warp. Allowance for size and take-up has been made.

With the above equipment, the

plant would be elastic enough to cater to market conditions in case of slumps.

Competition.

Charge Mill Directors Exceed Authority.

Richmond, Va .- Whether or not the directors of the Riverside and Dan River Cotton Mills, Inc., of Danville, exceeded their legal au-thority when they offered an additional issue of \$2,000,000 of common stock for sale only to common stockholders, without giving the stock-holders of preferred stock the privilege of participating in the deal, is a question which the Virginia Supreme Court of Appeals has agreed to review. Their right to agreed to review. proceed as they did was questioned by Thomas Branch & Company, of Richmond, and other holders of preferred stock, who filed a bill of complaint in the Circuit Court of Pittsylvania County seeking redress This court, in sustaining a demur-rer to their bill, held in effect that the directors acted within legal

The complainants charged among other things that the directors were large holders of common tock and that they acted for their own in-terests rather than for the best interests of the company. They charged further that the value of the stock which was offered at par on a basis of 50 per cent of the holdings of common stock was greatly in excess of par.

The company asserted that it was not aware of any provision in its charter which required it to issue new stock to the stockholders at all and in its opinion the directors were fully authorized to issue and sell stock upon such terms as they thought to be the best interests of the company.

The preferred stockholders asked to be permitted to subscribe to the new issue in proportion to their holdings, and they contended that they were not only done an actual wrong in being denied this privi-lege but suffered further injury from a resultant reduction in voting ferred stock remained unchanged. assets to 1-2.

The sale of the additional stock was authorized by the directors in January, 1919. Under an amendment to its charter obtained prior to this much you have helped our Associatime, the company was authorized to tion by the open letter which you increase the preferred stock from \$4,000,000 to \$7,500,000 and to increase the preferred stock from \$6,- that your letter will do more than 000,000 to the same amount, the to- anything else could toward getting authorization being \$15,000,000.

The Appellate Court issued a writ of error and supersedeas in the case. Argument will probably be heard at

the September term of the court in

Trading Active in Mill Stocks.

Greenville, S. C.—Reports from stock dealers of Greenville indicate that trading in cotton mill stock in the city has become quite active within the last two or three weeks. According to one of the dealers the demand for stock. especially local stock, has greatly exceeded the sup-

Quotations from the stock brokers yesterday show that trading has brought some of the shares above par while others are gradually gain-Following are some of the quotations of yesterday's market: Victor-Monaghan, 98; Woodside, common, is in demand at 93; Woodside, preferred, stands at 84; Dunean is at 106. These shares sold as low as 70 several months ago. Present demand on Dunean is said to be influenced by the spledid earnings of the mill at this time. Pelzer is in good demand, being a little above par at 102. There is a good demand for Minter Homes at 65. Clifton is at 121, Anderson mills at 81, Pied-mont at 123 is always in strong demand.

The preferred stocks are in unusual demand due to amount of invested capital at the present time. while common stocks are higher on account of the present favorable earnings of the mills and the possibilities of a material enhancement in value.

S. V. Upchurch Machinery Co.

S. V. Upchurch has disposed of his interest in the Atlanta Textile Machinery Co., Atlanta, and opened up a new concern under the name of the S. V. Upchurch Machinery Co., with offices at 432 Healey Bldg., Atlanta.

Southern Textile Association.

Secretary's Office 210 Realty Bldg. Gastonia, N. C.

Mr. James D. Hammett,

Dr. Mr. Hammett: It is with particular pride and pleasure that I hand you herewith a certificate showing that you have been elected an honorary life mem-ber of the Southern Textile Association. I consider that your membership is the greatest asset that our power, the new issue having in-Association can have, and I do hope creased the total of common stock that you can find time to attend our to \$6,000,000 while \$6,000,000 of pre-meetings in the future, and give our members the pleasure and inspira-In other words, their voting strength tion of your presence, and the benhad been reduced from 3-5 of the efit of some more fine talks like the one you gave us at Wrightsville Beach. This was certainly inspirational and instructive

I have already written you how tion by the open letter which you have addressed to the South Carolina Cotton Manufacturers. I

the mills to pay the men's dues.
With cordial good wishes, I am, Yours very sincerely, A. B. CARTER, Secy.

KERR

Bleaching & Finishing Works, Inc. Established 1890

CONCORD, N. C.

Oldest Bleachery in the South

Bleaching, Dyeing and Napping for the trade

Muslins **Cambrics Twills** Jeans Drills **Imitation Linens**

Shrunks Nainsooks Ducks Pajama Checks Diaper Cloth Repps Gabardines Piques Skirting

Towels

Napping—Canton Flannels, Osnaburgs, Sheetings. Dyeing—Light or Dark shades (direct colors.) Manufacturing-Seamed Sheets and Pillow Cases.

We Solicit your Business

unless the United States Government appoints some agency before but officially designated bodies. June 30 to receive the American The Textile Alliance-acquiesces share of German reparation dyes, in the action of the Reparations those dyes will be distributed by the countries

distributed by the Textile Alliance, dent to make provisions for receiv-This was done under an arrange- ing the Geramn dyes. ment with the State Department The dyes hitherto received from

The Textile Alliance, representing under the law to make the arrange- ported dyes, according to an of-several textile trade associations, ment. The Reparations Commission ficial of the alliance, who estimathas notified American dye users that recently announced that after June

Commission, but deplores "the fact Reparations Commission to agencies that communications to the State England, Frances and other Department regarding the matter main unanswered." It urges passage The dyes allotted to America of the Shortridge joint resolution hitherto have been purchased and by Congress empowering the Presi-

annually.

The statement of the Textie Alli-

ance is as follows:

tion Commission, and has since in-dicated that under existing law it agency for the importation and dis- in control of the German monopoly. tribution of reparation dyes," the

Textile Alliance states.

"The Reparation Commission announced its policy to enter into arrangements for the procurement of the Senate on June 16 by the Hon. those dyes only with officially designated bodies, and it communicated the sub-committee of the Committee with this government to ascertain on the Judiciary, United States what were the organizations which Senate, appointed to investigate the what were the organizations which in its view fulfilled the conditions dye and chemical industries with a necessary for the delivery of dye- view to recommending proper legstuffs on reparation account. While awaiting a reply to its communication the Reparation Commission has accepted orders from the Textile Alliance, Inc. As no reply was made by this Government the Reparation Commission on April 28 adopted a resolution indicating that it would continue delivery of those dyes only until June 30, and expressed the hope hope that some action might be taken by this Government before lution.' the expiration of that time.

'No action having been taken by this Government, though the Treaty of Peace with Germany reserves to it all reparations. It becomes necessary for the Alliance to notify the American dye consumers that after June 30, 1922, it cannot place any further orders with the Reparations Commission, and that unless this Government, before that time, appoints some officially designated body to secure those dyes they will become unavailable to the American

consumers

Continued Importation.

"Since the termination of the arrangement the Alliance has continued its importations at the retions to the effect that the importations should be entrusted to either department of the Government. the Alliance, or some other similar organization of the consuming

has placed orders until they shall be exhausted. If consumers will at once notify the Alliance of their requirements additional orders for able whereby colors could be acmoderate amounts may be placed tually guaranteed to withstand both with the Reparation Commission un-

til June 30

fare, but lacking the support of its inferior to that of the accepted fast Government, acquiesces in the according to the representation of the Reparation Commission today. with a full appreciation of the courtesies shown this country by it, and soap of the original indanthrene
the anomalous position it has occublue has never been surpassed by pied in continuing the Alliance as any of the later members of this

Textile Alliance to Stop Dye Orders. until December 14, when the depart- the Reparation Commission repre- the sole recipient of the Reparation ment decided it had no authority sent about 10 per cent of all im- dyes while communications to the ported dyes, according to an of- Department of State remain unanficial of the alliance, who estimat- swered. The Alliance cannot posed they would amount to between sibly do more than it has now done 30, it will not deliver the dyes to any six and eight millions of dollars to maintain the right of America and American consumers to the Reparation dyes granted by the Treaty of Versailles and confirmed by the Treaty of Washington. The full re-"On December 14, 1921, the De-Treaty of Washington. The full repartment of State terminated the sponsibility no wlies with the Govarrangement with that department ernment of the United States. under which the Textile Alliance, Unless some action be taken these Inc., purchased and distributed dye- American rights will lapse, with a stuffs obtained through the Repara- corresponding loss to the American consumers and the further disadvantage ensuing by leaving the suphas no authority to designate an ply of importable dyes wholly with-

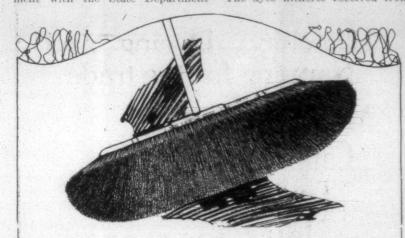
> "There appears no remedy for this serious situation unless the Congress of the United States enact into law the joint resolution introduced in Samuel M. Shortridge, chairman of islation. That resolution if adopted will empower the President to take the necessary measures to preserve for the United States the dyestuffs due to it under the Treaty with Germany. Those interested in the continuance of this supply of dyestuffs should without delay urge upon their representatives in the Senate and the House of Representatives the immediate pasage of the reso-

Fast Colors on Cotton.

It is rarely that a display is made of cotton goods which does not contain several ranges of colors which hear the maker's guarantee of fast-

The term "fast" is, of course, purely relative. It is indeed doubtful whether any legal point depending on a definition of the term color" could be sustained, for from the earliest days of the industry have been labelled "fast" which bore this courtesy title only by reason of the comparatively inferior products which preceded them. When synthetic dyes first bequest of six of the principal textile gan to influence the production of associations, which adopted resolu- colored articles, almost any bright shade, with the single exception of turkey or alizarine red, could be counted a losse color. If the industry had to develop, better dyestuffs had to be forthcoimng, and, altimportable types of dyes which it of fastness were from time to time now has on hand or for which it placed on the market

made its appearance in about 1901 that a new standard became availprolonged exposure to light and severe washing with soap. Before "The Textile Alliance, as an as- that fastness, when it was measured sociation of consumers, acting in at all, was measured in terms of in-their behalf and for the public wel- digo, a standard which is distinctly



With these two brushes you can have

Clean Floors

They were designed especially to keep the floors of cotton mills in the excellent condition that you would like to see them, and with the proper "motor power" behind them you can depend upon splendid results.

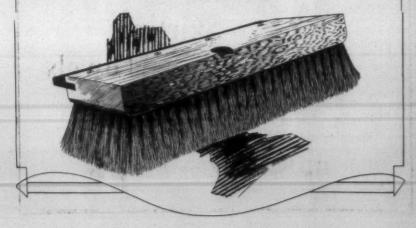
Furthermore, they are made as brushes should be made for floor cleaning, sturdy, heavy, substantial and durable.

The one at the top is our No. 170 Floor Sweep, made of best grade mixed horsehair, set in 12-inch polished hardwood back, solid construction. Price per dozen, \$15.00; each, \$1.50.

At the foot, we show our No. 48 Floor Scrub, which is made of the best grade selected Palmetto bristles; set in solid hardwood, natural finish back, with rubber sqeegee, inserted as shown in the picture. Price per dozen, \$24.00; each, \$2.25.

Atlanta Brush Company

Atlanta, Georgia



other and, on the whole, inferior class of the same range.

exploitation which is of most general interest.

The demand for fast colors in cotton has been of slow growth. It took years of patient persuading by the pioneers of fast color merchandise to bring home to the public the fact that fast dyes were avail-The general public hardly know it yet, except in the case of a few special lines. The check administered to the fast color trade by the impossibility of obtaining dyestuffs during the war would have had its reaction in a greatly stimulated demand had not money been so plentiful just after the war that even the normally careful buyer purchased lightheartedly anything that was on offer in case it should be dearer by the time he really wanted it. As might be expected, the fast color trade since the slump has rapidly regained the ground it had lost, and today there are very few kinds of cotton goods which are not obtainable in guaranteed shades.

has previously been remarked that fastness is purely a relative term, and it is a scientific fact that the perfect color does not yet exist. unless it be a really first-class dyed turkey red. It will be seen then that all the colors used for fast work have some drawback, and so it becomes the function of the merchant to discuss with the chemist what the latter can offer to withstand the tests to which his fabrics will be put in actual wear.

Thus the fashion of dyed casement curtains created a demand for colors which would withstand the prolonged action of sunlight. The fact that almost all of these are reasonably fast to washing-or as much washing as a set of curtains gets during its lifetime-enabled the original guarantee to be extended to cover the action of soap and water. On the other hand, by no means all the colors suitable for casements wold do for a printed shirting. Shirts are repeatedly washed though very little exposed to the action of direct sunlight. The qualities, therefore, of color necessary for the one become of secondary importance for the other. Thus cloths for child-ren's wear must of necessity be fast to repeated washing. Handkerchiefs have no need to be fast to light. Pajamas might reasonably be proarticle gets the rougher handling Linings have no need to be other than fast to water, rubbing and perspiration. Ladies' dress goods should be reasonably fast to both light and washing and must not rub, but need In other words, bespective ways. an appreciable diminution in shade, ing problem which requires no lit-

as vat colors, nor by any of the sub- dyestuffs which satisfies a high solution. stituted indigoes which form an- standard of fastness in any one direction is strictly limited. It follows, then, that the higher his all-It is not, however, so much the round standards the smaller range considerably more, but works' risks technical problem of the application of colors will be be able to choose also are greater and must be covord these colors as their commercial from. This means that the colorered. On the other hand, the public ings will be neither so varied nor so heautiful as those of a rival whose standards are lower. If both articles the case of very deeply dyed goods, are guaranteed there is no doubt as the difference is rarely more than to who will sell most goods-at any rate, for a time. On the other hand, there is equally no doubt as to who will get the greatest number of com-

> There, again, it is difficult to esti-quality. mate the genuineness of a complaint It may be that the color is actually faulty, but often it is merely a customer taking advantage of the guarto effect the replacement of an article which has been unfairly handled. In all cases, of course, the offended customer will never admit that anything unusual has been done with the goods. It must be remarked, however, that people in general are reasonable and do not often complain without cause.

But though the genuinely dissatisfled customer may be recognized with a little experience, all complaints without exception should be carefully recorded. After a season's work it will frequently be found necessary to strengthen one or two colors in the range to improve the fastness and conversely to weaken one or two (where the fastness is more than enough) in order to improve the shades.

It must always be borne in mind that to guarantee is to invite the customer's complaint. When a garment is returned faded from any cause whatever, it is most difficult to prove that it has been unfairly handled. In practice it has worked out that the customer is always held to be in the right. Here, then, would seem to be a risk that, unless the requirements of the style have been correctly estimated, a serious financial loss may be incurred meeting claims, for it is not difficult to make a few shillings' worth of material into a few pounds' worth of dress. In practice, however, the actual money claims never reach an embarrassing total. Far more important is the knowledge that for every customer who voices his dissatisfaction there are many who do not take the trouble to complainbut never buy the cloth a second

The limitations of fast color work have already been touched upon duced a little less fast in the color It will be some years before all the than shirts, since it is clear which effects obtainable with ordinary dyestuffs can be reproduced in fast This refers mainly to heavy prints, and in particular to colored effects on dyed grounds. In other words, very large patterns and discharge work cannot be satisfactornot approximate the fastness of ily executed. This is part and par-casements and shirtings in their re- cel of the original argument that cel of the original argument that only by sacrificing fastness can one fore a new departure is made in increase the variety of effect. This putting a fast color fabric on the difficulty will disappear in time as market, the merchant must calcu- more and more new dyestuffs belate very exactly how much treat-come available, but at the present ment it is reasonable to expect his time the degree to which this should cloth to withstand without showing be done constitutes a most intrigu-

series of dyestuffs which are known For this is the point: the range of the judgment and experience for its tion is concerned, it provides the

Finally there is the price factor which is always against the fast col-Not only does the dyestuff cost frequently refuses to pay an extra trifle per yard, although, except in a copper or two between a guaranteed and a loose article. Time and experience will eventually overcome

chemical side of fast color producthree months of this year.

most interesting and absorbing prob-lems which confront the works chemist today. The Manchester end, whilst perhaps not so deeply interested, has come to see that in the home and colonial markets (to be followed in the natural course of events by the best of the others) the public is entitled to and does demand an even higher standard of colored work .- Textile Recorder of England.

Raw silk shipments from Japan this entirely natural inclination to as reported to the Textile Division buy the cheapest regardless of the of the Department of Commerce by Acting Commercial Attache Butts, As far as the the technical and show a steady decline for the first





SOUTHERN THE BULLET

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THURSDAY, JUNE 22, 1922.

Union Labor is Up in the Air.

Union labor is certainly "up in the for its unlawful acts. air" at this time and fighting wildly to make a safe landing.

States supreme court held that lawful acts just the labor unions and their individual other organization. members could be sued for dam-

ican Federation of Labor the name mously to start a drive for a con- a constitutional amendment to perstituted amendment that would per- mit Congress to overrule the demit Congress to veto United States cision of the highest court.

Court decisions. Have not the leaders of union court decisions.

"Whom the Gods would destroy they first make mad" and when union labor reaches the point that it hisses the name of the venerable chief justice simply because he found that the law was against them and when they unanimously vote to and tear start to tear down the judicial citizens? branch of our government, they have started on the road to their own destruction.

The Coronada coal strike decision did not say that labor could not strike or that there was any penalty for lawfully conducting a strike but it did say that when strikers acted unlawfully and destroyed property, the union and the individual members of the union could be held responsible for the damages inflicted.

If the Rotary Club or Kiwanis Club should vote that the Selwyn Hotel should be closed and then should go out upon the streets and wreck the hotel windows by throwing stones. they would be responsible for such their meal tickets.

that a certain cotton mill shall stand statement:
idle and, when things do not please "Union labor is facing a crisis. It idle and, when things do not please them, break out the windows and has not won a strike of consequence otherwise damage the mill the union in two years, and it is a long time

held liable for its damages but Local No. 1264 should not be liable

The United States supreme court by a unanimous vote, even Justice Their immediate trouble has been Brandeis and Clarke concurring the recent decision in the Coronada said in effect that Local No. 1264 coal strike case in which the United should be held responsible for unthat lawful acts just the same as every

Because the entire court rendered At the convention of the Amer- tice and common sense the convention of the American Federation of of Chief Justice Taft was hissed Labor hissed the name of the chief and the convention voted unani- justice and started a movement for

labor reached the end of their rope?

Will the people of this country submit tamely to an attack upon the highest court simple because that ourt would not grant to boss ridden labor unions the right to damage and tear down the property of other

The convention of the American Federation of Labor was composed from the dues collected from labor-

Unless they can pull strikes and work the strikers up to the point of physical violence and property damage they can not collect sufficient dues to enable themselves to continue to live in idleness.

The United States supreme court like." has not only checked them but has made the union treasury liable to be called upon for damages and the parasites see the danger of losing

The Philadelphia Public Ledger If Textile Local No. 1264 decides makes the following very terse

its members should be held since there was so much discontent

it was 2,906,528.

"The truth is that labor has been abnormally led. Union leaders have refused to accept conditions, have endeavored to maintain war wages or increase them in a period of national deflation and have precipitated strikes when they had no

chance of victory."

When Thos. Failure McMahon called the strike in Charlotte last June he knew that it would be a failure as had been every other

strike he ever called.

In order to collect dues and initiation fees, that is, for personal them suffer for the necessities of

Labor has a right to strike and we stand by them in that right but when they strike the union and its members shall be liable for all its unlawful acts. That is the law.

Injunction Against Picketing.

The courts of Rhode Island have enjoined Thos. Failure McMahon and his followers from picketing the cotton mills of that state and The Providence Journal has the following to say relative to the decision:

be welcome not merely to the manufacturers whose employes have been interfered with by "mass pick-eting," but to all honest workers as well. It points to the fundamental truth that we cannot tolerate disorder and violence in Rhode Island, whatever the cause. If the present strike is won it must be won by lawthe law is an issue of the first im- yarns into fine fabrics. portance in Pawtucket as elsewhere.

Finish Our Product.

The following extract from the address of President L. D. Tyson of the American Cotton Manufacturers Association should receive more than a mere passing mention.
."The textile industry in the South

can never attain prosperity or independence until the majority of our mills, acting either independently or co-operatively, shall diversify and largely of men who perform no finish their products in order that regular labor but secure their living they may go direct to the consumer with them.

> "What we need in the South is more finished fabrics ready for the trade; more bleacheries, more dyeing establishments and more converters; more printing plants and mercerizing plants; more knit goods establishments, hosiery mills and the

It is an economic crime for the South to produce goods and send them hundreds and even thousands of miles elsewhere to be advanced in distributed and then returned to us or with all the increased cost, due to relative to the best layout and specudouble transportation charges, dou- lations. We believed, as has been ble or even triple overhead expense case, that the ideas of practical men double

membership of 4,078,740. In 1921 Southern and Western points of distribution."

We have made some progress in the finishing of our cotton goods and yarns but we are still paying an enormous price to the great converting plants of the North and East.

The Proximity Print Works Greensboro, Union Bleaching & Finishing Co. of Greenville, S. C., Kerr Bleaching and Finishing Works, Concord, and other similar plants have blazed the way and shown that our goods can be successfully finished in the South.

In mercerizing yarns gain he threw about 8,000 men and made great progress with such women out of employment and let plants as the American Processing Co., of Mt. Holly, N. C.; Standard Processing and Dixie Mercerizing Co., at Chattanooga, and Southern Mercerizing Co., of Tryon, N. C., and large mercerizing plants are now under construction at Shelby, N. C.,

and Spindale, N. C.
Gastonia sends millions of pounds of high grade combed yarns North where they are woven into fine fabrics while New Bedford, Mass., make similar varn, but weave them into fine cloths.

Look at the size of some of the New Bedford mills:

Spindles Looms "Judge Barrow's decision should Dartmouth Mfg. Co....200,000 5,700 Nashawena Mills.....213,000 Wamsutta Mills.....236,000 4.300 Whitman Mills.......176,000 4.932 Hathway Mfg. Co.....111,000 3,300

These are only a few of the fine goods mills of New Bedford, but they show the possibilities for development if the fine yarns mills of strike is won it must be won by law- Gaston county would go a step fur-ful methods. The maintenance of ther and weave their high-class

Yarn Stocks Shrinking.

A yarn manufacturer who has just returned from a trip to Philadelphia and Boston tells us that there has been a great shrinkage in the stocks of cotton yarns held by speculators and by commission houses on consignment.

He is of the opinion that the reduction of stock has been much more rapid than is generally known and that when the stock are wiped out, the yarn mills would be able

to get better prices.

Another feature worth considering is the advance in the price of wool which is always followed by the use of a large vlume of cotton warps in woolen goods.

An Interesting Contest.

We have just closed a very inter esting contest upon the subject, "If I Were Building a Mill," in which the first prize was won by an overseer of weaving.

In submitting articles for the contest the writers were instructed manufacture, to be completed and to select some line of cotton goods yarns and then give their double selling expense and double who are spending their lives among distribution costs and more." * * * the machines are well worth wihle Our selling methods must also be because they learn from practical liable. and bitterness, together with lack of revised, either by selling direct or experience and they have the opIs there any fair minded man who confidence in leaders. In 1920 the by closer co-operation with our sell- portunity of seeing error and dewill say the Rotary Club could be American Federation of Labor had a ing agents, who should maintain ficiencies in the mill they operate.

News

Ware has resigned as overspinning at the Holston cturing Company, enoir City, and accepted a similar posi-night at the Avondale Mills, ler City, Ala. He was formght overseer of spinning at ppalachian Mill, Knoxville.

R. Tattersall has resigned as atendent of the Limestone mrick Mills, Gaffney, S. C., aving served in that capacity veral years. The employes of ills presented Mr. Tattersall handsome diamond pin as a of their regard. Mr. Tatter-ll spend some time in Atlanta announcing his future plans.

Seydel Chemical Co.

following announcement is sent to the trade:

e undersigned take pleasure in uncing the merging of their inests and their future operation under the name of Leydel Chemical Company. Our manufacturing fa-cilities in Nitro, West Virginia, and Jersey City, New Jersey, will be enlarged that we may render to the users of "Seydel Chemicals" an even more prompt and efficient service. We solicit your increased patronage Blacksburg, S. C., to accept a simi- and thank you for you.

Blacksburg, S. C., to accept a simi- and thank you for you.

Blacksburg, S. C., to accept a simi- and thank you for you.

Company, Nitro Products Corpora-

> Wanted .- To buy Colman tying-in machine suitable for tying in warp up to fourtyfour inch looms. Address, No. 10, care Textile Bulletin, Charlotte, N. C.

Wanted - Information as to he whereabouts of my boy, liam Robertson, who left home without cause on April 10th. He is 17 years old, rather tall and slender, blue eyes and light complexion. He is a weaver. If you locate him, please write or wire me an dreceive reward. Rev. F. Robertson, Lancaster, S. R. F. D. No. 4.

W. M. Southern has been promoted from overseer of carding to night superintendent of the Judson Mills, Greenville, S. C.

S. R. Powell has resigned as superintendent of the Broad River Mills,

W. Jenkins, formerly of the Monaghan Mills of the Victor-Monaghan Co., Greenville, S. C., is now design-er for the Watts Mills, Laurens,

George A. Tobey, formerly super-intendent of the Langley (S. C.) Mills, now has a similar position with the Athens (Ga.) Manufacturing Company.

H. A. Hardaway, formerly over-seer of carding at the Fulton Bag and Cotton Mills No. 1, Atlanta, is now overseer of carding at Winns-

W. M. James, formerly overseer of night weaving at the Chadwick-Hoskins Mill No. 5, Pineville, N. C., is now overseer of weaving at the Phenix Mills, Kings Mountain, N. C.

Bleached Goods!

(SELLING POINTS No. 37)

-Satisfaction-

Good-will surely depends on Satisfied customers.

Prices do not satisfy if Quality is inferior.

Consumers are satisfied With a White that stays White and strong

Only the Peroxide White satisfies the wearer and it does not cost more.

Peroxide Advice Free to Mills.

The Roessler & Hasslacher Chemical Co. **NEW YORK**

Bobbins and Spools

True-running Warp Bobbins a Specialty

The Dana S. Courtney Co. Chicopee, Mass.

Southern Agt, A. B. CARTER, Gastonia, N. C.

WOODTANKS Tanks for all Purposes

Vats for DYES and

G. Woolford Wood Tank Mfg. Company

710 Lincoln Bldg. PHILADELPHIA, PA.



MILL NEWS ITEMS OF I

Lenoir, N. C—Lockwood, Greene & Company of Charlotte, N. C., are the engineers in charge of the electrification of the five cotton mills at this place.

Chattanooga, Tenn.—The Davenport Hosiery Mills, 906 Georgia avenue, plan the installation of new hosiery machinery and auxiliary equipment.

Dallas, Tex.—James C. Dobson, president and general manager of the Texas Hosiery Mills, announces that plans are being considered for doubling the capacity of the plant.

Greenwood, S. C.—Plans for reorganizing the Panola Cotton Mill which for several months has been in the hands of a creditors' committee, were made at a meeting of the directors of the corporation last week.

Gastonia, N. C.—The Armstrong Land & Investment Company is preparing to erect an office building here for Armstrong chain mills. The structure will be 30x100 feet, two stories. The second story will be occupied by the Gastonia Cotton Company.

Montgomery, Ala.—Contracts for the textile machinery for the Kilby Cotton Mill have been placed with the Howard & Bullough Machine Company. The Kilby Cotton Mill will be erected by the state of Alabama for convict labor and will have 8,000 spindles.

Mobile, Ala.—The Willman Cotton Mill Company has filed papers of incorporation with the secretary of state which call for a capital outlay of \$200,000 for the operation of a cotton mill at Athens, Ala. The company will begin business with a paid-in-capital of \$20,000. Shelby Fletcher, president.

La Grange, Ga.—The Dunson will build an addition of 111 feet by 132 feet to their weave shed, of standard mil construction, onestory with part basement, complete with heating, lighting, and fire protection. J. E. Shirrine & Company, Greenville, S. C., Engineers: West Point Iron Works, West Point, Ga., Contractors.

Danville, Va.—Announcement was made at the offices of the Dan River Mills that a new bleachery will be built at Schoolfield, this to cost \$450,000 and to be completed by December 31.

John Pettyjohn, of Lynchburg, was awarded the contract. The building will be 33 feet by 145 feet and will be four stories high, of concrete construction.

Bleaching and finishing machinery will be moved from other mill units and the place rendered vacant taken up with carding and spinning.

Announcement

NORTH STATE CREOSOTING CO.

We Specialize in
MILL FLOORING, BRIDGE TIMBERS
PILING, FENCE POSTS AND CREOSOTED PINE SHINGLES

Send us your inquiries.
Phone 1803, N. CHARLOTTE, N. C.

Member American Society Landscape Architects

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NORTH CAROLIN

LANDSCAPE ARCHITECT and CITY PLANNER

Community and Mill Village
Developments
Parks, Real Estate Subdivisions
and Cemeteries
Resort Hotels and Country Clubs
Private Estates and Home Grounds

Complete Topographic Surveys General Designs, Planting, Gradin and Detail Plans Supervision of Landscape Construction Inspection and Maintenance

Largest Landscape Organization in the South

J. N. McCAUSLAND & COMPANY

"In The Business Thirty Eight Years"

Manufacturers of

Planing Mill Exhaust Systems

Cotton Mill Conveying Systems

Slasher Hoods and Exhausts

Casings For Chain Drives

Ventilators, Skylights or

anything in Sheet Metal

221 South Tryon Street





CLEAN QUALITY

SUPERIOR SERVICE

If a drive is worth belting, it is worth belting well. Why be satisfied with a mediocre belt? Cheap belting is false economy—the safest investment in the world has always been REPUTATION.

Charlotte Leather Belting Co. Charlotte, N. C. R. I. Dalton, of Charlotte; B. H. Parker, of Gastonia, and W. X. Mauney, of Kings Mountain. C. A. Rudisill will have the management of the mill. Land is already being shaped up for the excavation for the mill. The company has about 30 acres of land, most of it in oak timber. A half mile of new street is to be graded and built. A railroad siding is being built and contracts for main building and tenant brouses have been lef.

Knoxville, Tenn.—The Appalachian Mills Company has been incorporated with \$1,200,000 capital. The incorporators and officers are: J. T. Brownlee, president, formerly with the Standard Knitting Mills; Matt G. Thomas, vice president; M. D. Arnold, secretary; Ira Watson, Thomas and Lotspeich were officers of the old Appalachian Mills which are merged into the new company. The directors and officers control and common stock.

Preferred stock, 8 per cent accumulative has been contracted for by Berry, Collins & Company, of Atlanta, to distribute to Hambleton & Company, of Baltimore, and the Fidelity Trust Company, of this city, for sale.

Brownlee organized the Standard Knitting Mills 20 years ago. Thomas and Lotspeich had managed the old Appalachian Mills from 1910, manufacturing cotton hosiery yarns and men's heavy ribbed underwear.

Gastonia, N. C.—Contract for the erection of a three-story addition to the Loray Mill extending from the new unit recently constructed north to Second avenue was awarded Friday to the Aberthaw Company by the Jenckes Spinning Company.

The new addition will add no new spindles to Gaston county's total, contrary to rumors recently afloat, but will be used for twisting, weavproduced by this mill, which now inspecting and shipping will be done. warehouse adjoining the mill and textile centers of the United States, ranks as the largest single unit tire. The quillers will also be located on are building 25 new mill houses in The officers of the new firm are; fabric mill in the world. A total of the second floor, order for which Spindale, as the first unit of a mill. C. W. Johnson, Charlotte, president; forty-two thousand square feet of has been placed with the Whitin village.

Respectively.

rushed with all possible dispatch, Company. the centract requiring completion within a specified time.

England for finishing and that larg- side. er shipments of finished tire fabric will go direct from Gastonia to the tire manufacturing plants.

received by Thomas T. Allison, business manager of the local chamber of commerce.

Information as to the local conditions, with reference to availability of water, labor conditions, taxes, railway sidings, shipping facilities and other matters was asked in the letter, which came from a man familiar in part with the conditions here

bleaching, mercerizing, dyeing, Boys between 12 printing and finishing all types and ployment Certificate grades of cotton goods, the letter

has been reached to locate this plant in the south.

The names of the New England parties are being withheld at their request, Mr. Allison states.

Spindale, N. C.—Organization of the Spinners Processing Company has been completed and contracts for buildings and machinery have been placed.

The building will be 240 feet long and 135 feet wide, two stories high. The centract for erection has been let to Potter & Schackelford, contractors of Greenville, S. C. Grading

and brick work has already started. The machinery contracts have been placed for one of the largest and most improved warp mercerizing machine that has ever been built. It was placed with the Textile Finishing Machinery Company, of Providence, R. I. It will easily have a idence, R. I. It will easily have a capacity of 100,000 pounds of yarn per week running single shifts. All mercerizing and finishing will be

floor space is to be provided by the Machine Works. Foster cone windnew addition.

In addition to the mill and ware-dent; S. E. Elmore,
new addition.

ers will be used, order for which has house, a boiler house and caustic urer; K. S. Tanner,
or will be used, order for which has house, a boiler house and caustic urer; M. S. Tanner,
or will be used, order for which has house, a boiler house and caustic urer; M. S. Tanner,
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or which has house and the boiler house and the boiler house and the boiler house and the boiler house and the boile The work of construction is to be been placed with Foster Machine

This means that smaller shipments have subscribed for the stock and of tire fabric yarn will be shipped in addition considerable quantities ing machine. hereafter from this plant to New of combed yarns will be bought out. The entire

ers will be used, order for which has house, a boiler house and caustic urer; K. S. Tanner, Spindale, secrebeen placed with Foster Machine recovery plant will be erected. Plant tary. Directors: Messrs. C. W. and Company.

The yarn will be shipped to the & Co., of Fall River, Mass. The plant Spencer, John Tillett, of Charlotte, mill by the different mills which will be used for reclaiming caustic and S. E. Elmore and K. S. Tanner, bears and such and such which is used in the managing of Spindale. soda which is used in the merceriz- of Spindale.

firm will be sold, or handled, by the

ing and finishing thus adding sub-done on the ground floor.

In addition to the main mill build- Johnson Mills Company of Charlotte, stantially to the finished tire fabric On the second floor, all winding, ing the company has erected a large who have offices in all the principal In addition to the main mill build- Johnson Mills Company of Charlotte,

> R. H. Johnson, Charlotte, vice-presi-In addition to the mill and ware- dent; S. E. Elmore, Spindale, treas-

The entire production of the new May Involve Former Stockholders of Courtney Mill.

Greenville, S. C .- A new move was taken in the suit against Campbell Countenay and the former stock-holders of the Countenay Manufacturing Company by W. L. Gassaway and the present stockholders of the Isaqueena mills when Haynsworth & Haynsworth, attorneys for the plaintiff, served notice Tuesday that motion would be argued before E. Inman, master in equity, to have him require that all of the 88 former stockholders be brought into the suit and made possible for the sale.

This motion is being made, it is explained by the defense attorneys, in order that one trial may decide the issue and because these former stockholders profited by the alleged fraudulent deal. The money realized from the sale of the Courte-York bank and distributed among the stockholders at \$600 a share, it grades of cotton goods, the letter states.

The company, it is stated, will have a million dollars capitalization, the plan being to build and operate a first class plant. Decision already

Boys Detween 12 and 14 years employed during vacation without Employment Certificate.

Boys Detween 12 and 14 years employed without having change of employment endorsed on certificate.

Boys Detween 12 and 14 years employed without having change of employment certificate was stated by the Messrs Hayns-worth, thus theoretically making these persons a party to the transaction.

Boys Detween 12 and 14 years employed without having change of employment certificate.

Boys between 12 and 14 years employed when Employment Certificate action. was stated by the Messrs Hayns-worth thus theoretically making

Should the motion be granted, 20 days will be legally allowed these stockholders to examine the charge and the trial of the entire case will be held as soon as possible before Master Inman, as ordered by Judge Frank Gary. In case such a motion is denied, it is expected that a sep-

former owners of the mill to collect notes for the balance of the purchase price of approximately \$1,-800,000, it was stated. The notes held by the sellers of the plant amounted te about \$600,000, attorneys, stated.

The purchasers of the plant, however, refused to pay this amount and at once demanded that a decission be made on the ground that the sale had been made through a fraudulent statement. In making an investigation of the books, they claim that many irregularities were to be found, although the investment had appeared sound on the surface

Digest of North Carolina Child Labor Law.

Charlotte, N. C.—Possibility of the location of a million dollar dyeing, Labor law in this state, showing at a glance the more important provibleaching and mercerizing plant in sions, is published below. We recently published the state law in full, or near this city by a group of New England men is indicated in a letter are having for information as to the North Carolina Law.

Illegal Employment:

Children under 16 years employed in mine Children under 16 years employed in quarry.

Girls under 14 years employed in terms used in Sec. 5 and 6.

Boys under 12 years employed in terms used in Sec. 5 and 6.

Illegal Hours: Children under 16 years employed after 9 p. m.
Children under 16 years employed before 6 a. m.
Children under 14 years employed during school hours.
Boys between 12 and 14 years employed over eight hours per day.

Illegal Employment Without Certificate:

The company is being organized Boys between 12 and 14 years employed before school without Employby men with large experience in ment Certificate.

12 and 14 years employed after school without Em- nay mills was deposited in a New

Boys between 12 and 14 years employed during vacation without Em-

has been lost

as been lost.
Children 14 to 16 years employed without Age Certigcate (legal protecon for the employer and parent.)
Children 14 to 16 years employed when Age Certificate has been lost.
Children 14 to 16 years employed when Age Certificate has been revoked. Unlawful Physical Conditions:

Children employed with symptoms of disease contributory to retardation

children employed with symptoms of disease contributory to retardation is denied, it is expected that a sep-children employed when determined by physical examination that employment is injurious to health.

Children employed with surrounding conditions injurious to morals.

Children employed with dangerous employment hazards present.



THE CHOICE OF A HUMIDIFYING SYSTEM

must be one that for simplicity with great capacity and economy in maintenance produces uniformly such conditions that may be determined for the different requirements of the work. In the American Moistening Companys method of humidifying, all such requirements are GUARANTEED.

Our COMINS SECTIONAL HUMIDIFIERS Our FAN TYPE and HIGH DUTY HUMIDIFIERS
Our VENTILATING Type of Humidifier (Taking fresh air Inte
the room from outside)
Our ATOMIZERS or COMPRESSED AIR SYSTEM
Our COMPRESSED AIR CLEANING SYSTEM Our CONDITIONING ROOM EQUIPMENT
Our AUTOMATIC HUMIDITY CONTROL (Can be applied to systems already installed)
Our AUTOMTIC TEMPERATURE CONTROL
Are all STANDARDS OF MODERN TEXTILE MILL EQUIP.

AMERICAN MOISTENING COMPANY

RUSSELL GRINNELL, President

BOSTON, MASS

FRANK B. COMINS, General Manager

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SPECIAL COMPOUNDS FOR WARPS, WHERE STOP MOTIONS ARE USED.

WEIGHTING COMPOUNDS FOR COLUMNS AND WHITE

ARE USED.
WEIGHTING COMPOUNDS FOR COLORED AND WHITE WARPS.
FINISHING COMPOUNDS FOR ALL CLASSES OF FABRICS.
The Arabol best grades of cotton warp sizing compounds make the
"finest weaving and will hold the fly."
These compounds are based on the best practical experience and the
best materials used in their manufacture.

The Arabol Manufacturing Co.

Offices: 100 William Street, New York

Southern Agent: Cameron MacRae, Concord, N. C.



P. D. JOHNSON Ga., Als. and Tonn. Agent, Atlanta Ga.

The Ouestion of Child Labor.

The 18th amendment is effective to —The Freeman, prevent drunkenness. We are all

vent it will be about as effective as Labor maq make to restrain them."

diminished fruits of their own labor, est supply of cotton known in mod- ed. They are likely to be so numerthem to get, keep and enjoy the un- about in the coming year the short- will have been hatched and develop- ket."-Barron's

If, when this is accomplished, there ern times. On the growth condition ous as to take most of the cotton "While for thousands of families still remain some greedy parents alone, the present crop is being est hat blooms after that time, and the the choice continues to lie between who desire to lay up treasure timated at 10,000,000 bales, or 25 per weather, delaying the early developletting their children starve and through the exploitation of their cent more than last year. But a ment of bolls, reduces the prospect putting them to work, child-labor children's labor, we shall be glad year ago the carryover was more of a crop that can be picked. Meanis likely to continue; and Constitu- to contribute our best effort to any than 9,000,000 bales, thus making a while the use of cotton is increasing, tional amendments designed to pre- attempt which the Federation of total supply of over 17,000,000. This Present consumption of cotton was year the carryover will be around exceeded only once in pre-war days, 4,000,000 bales, which with a crop and that of American-grown this prevent drunkenness. We are all for freeing the children, and we think the best way to go about it would be to secure freedom for their would be to secure freedom for their parents by making it possible for of goods are working to bring the middle of July several broods acute situation in the cotton mar-

Established 1896

Incorporated 1914

LOWELL SHUTTLE COMPANY

Manufacturers of

BOBBINS SHUTTLES SPOOLS

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Established 1868

Manufacturers of Speeders, Skewers, Warp Bobbins, Filling Bobbins, Cap Spinning Bobbins, Northrop Loom Bobbins, Twister Bobbins, Twister Spools, Warper Spools, Comber Rolls, Quills, Underclearer Rolls (plain or covered).

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SHUTTLES

We make a specialty of Shuttles for all makes of looms, both plain and automatic. Correspondence solicited.

Property?

By H. H. Walker in "Builders." Every manufacturer in the country should be given an opportunity read this splendid article by Mr. Walker. All members of our organization are urged to acquaint manufacturing friends with the following facts.-Editor's Note.

to furnish an outside opinion of the value of their plant, shrug their it for 15 years? Besides, anyone It also assures him the I call in will simply count the nails justment of a fire loss. and bricks and other things and then tell me what I'd pay if I bought them today?'

These factory fellows are right. Too often a man when he appraises a plant counts everything in sight and then writes a thick book about it which he delivers to the mill owner as showing the value of his prop-And what good is it? This is not intended as a criticism of itemized inventories because they are useful in their proper place, but they do not show the correct values for various business purposes.

There are many uses for valuations and no two of them call for the same answer. A recognition of this fact is necessary. A clear unorder to furnish the proper report.

Valuations are used for: Financing. Fire insurance Federal tax returns. Mergers and consolidations. Settlement of estates. Adjustment of parnerships. Condemnation proceedings.

one report serve all of these pur-

An independent valuation, if made by a responsible concern, is of considerable help to a firm selling additional securities. A report to be used for such financing is based on the present market value of the physical assets. In addition, such factors must be considered as the rise and fall in prices affecting its reproduction cost in the future, as well as a study of its past and prospective earning power. A stockholder is interested primarily in earnings. Suppose, however, the owners want to borrow money. While it is true a banker looks first at those items on the balance sheet which show the working capital, he also wants to know what can be realized from the sale of the physical property. A report for bank credits forced sale.

to the amount of the policy but which produced it. does not agree to replace the propthe painful experience of adjusting such transactions take place? One _

to find he does not receive enough more but can be replaced cheaper to pay for rebuilding his plant. He today than the other on account is paid the net value of the property of changes in local conditions. A destroyed afted deducting the depre- report for a merger or a consolidaciation sustained to the date of the tion shows, in addition to the presfire. This question of deducting de- ent market value which the business preciation when settling fire losses possesses due to being successfully has caused much argument. It is, established and earning an income. however, the practice of both the After the present market market stock and mutual companies. Their value of the property has been deposition seems entirely fair. An in-termined, a study is made of the Many factory owners when asked surance policy is not an underwriting contract but is an indemnity agreement. A valuation report for shoulders, look cross and come back fire insurance purposes shows sepwith "Furnish an outside opinion arately the insurabe and the nonof my own property! What for? insurable portions of a plant, and I know what it's worth better than enables the owners to obtain the anyone else. Haven't I been running most insurance for the least cost. it for 15 years? Besides, anyone It also assures him the proper ad-

Federal Tax Returns.

Tax purposes. One gives the fair a like property under present ecomarket value of a property as of March 1, 1913, and the other states at about its present market value, the invested capital as of January 1. 1917. The manufacturer uses them when presenting claims to the Income Tax Division of the Internal Revenue Department for the reduction in Federal Taxes.

A report showing the fair market value of a plant as of March 1, 1913, is based on its reproduction cost, new at that time, less the accrued for the purchase or lease of a prop-depreciation. To determine this de- erty may be merely a question of depreciation as of a date several years termining its present market value, in the past is not easy. Fairly ac- or it may call for a broad gauge curate estimates can be made for study of a particular industry. derstanding of its use is essential in the manufacturing buildings and the machinery still in use. Information tling estates or adjusting the interas to items sold or scrapped between the date and the present time must be obtained from the books and the depreciation charged accordingly. The advantage to an owner of establishing the fair market value as of March 1, 1913, of any property acquired prior to that date, is that he A man would be courageous in- is able to obtain the benefit of this deed who would attempt to make enhancement in value over the cost is able to obtain the benefit of this less depreciation to that date. This enhancement is not taxable income and may be amortized over the remaining life of the plant. In the case of a sale of property acquired hefore March 1, 1913, when its fair market value as of that date is in excess of the amount realized over such fair market value.

A report showing the capital invested in a plant as of January 1, 1917, is based on the actual cost of the fixed assets owned on that date. less the accrued depreciation. corporation's records are frequently incomplete as to the older items in the plant, and their cost must be obtained elsewhere. When this done, complete information should be furnished showing the accuracy of these outside costs. This type of report can hardly be too complete. involves detailed computations or the issuance of bonds should and elaborate supporting evidence show not only the present market The advantage to a corporation of value of these fixed assets, but also establishing its invested capital as the amount they would bring at a of January 1, 1917, is that the excess profits taxes which started on that A fire insurance policy agrees to date are based on the raito which indemnify the owner for his loss up the net income hears to the capital

Suppose two concerns decide to erty destroyed. This distinction of- combine, or one desires to buy out DIXIELITE ten is not realized until one has had the other. Upon what basis would DIXIELITE

How Many Values Has the Same a loss. A manufacturer is surprised of these plants may cost originally termined, a study is made of the intangible assets, such as patents, trade secrets, trade-marks and good-In some firms these intangiwill. bles have a high value. An examination is also made into the labor supply, location, transportation fa-cilities and similar factors which affect the value of the business in a competitive market.

> The purchaser or lessee of a property is naturally governed in his Two reports are made for Federal decision by the replacement cost of nomic conditions. If it is not offered he can obviously build for himself. If he is buying only the building he is not concerned with the profits made by the former owner, while if he wants the complete plant as it stands he will look into the earnings, the market for the product, and the many other phases entering into a manufacturing business. A report

> > The problems encountered in setests in a partnership are so diverse that one cannot attempt to follow a rule. In fact, each case seems different. Sometimes it means merely the distribution of real estate and personal property based on their present market value; while at others it becomes necessary to value an interest in an established firm. earning large profits on the actual investment and owning a valuable goodwill.

A report for the condemnation of a property is based on its present market value, plus the cost to re-move the plant, the expense of reorganizing and getting on a good running basis again, and the profits lost while changing to a new location. The damage sustained under of the fixed assets. As questions of

Card Grinder Wanted

to help grind 47 cards. care Southern Textile Bulletin, Charlotte, N. C.

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Patent-Cotton Pick Sack, two in one, the cost of manufacturing not over two cents more than the common plain sack, offer for cash or royalty. Write N. S Cole, Newbern, Tenn.

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Your Mill Supply House will furnish you Mi-Cleanser, or order direct from the factory.

Champion Chemical Co. Charlie Nichols, General Manager Asheville, N. C.

condemnation proceedings is more law are frequently involved, this re-than just the present market value port is usually made for the manu-

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Dixielite is the brightest, whitest mill white made. And it stays white. The years cannot turn it yellow nor make it chip, crack or peel It's washable.

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Shrinking Cloth.

(Continued from Page 13.)

be shrunk.

nected with tubes about two inches of the two cylinder machine con- for the tailoring trade. long projecting into the cylinder, taining live steam it is wound on the through which live steam is forced second or dead roll of the machine process consists in winding the cloth under a pressure of from 60 to 90 for drying. It is then carried on this on

texture and quality of the goods to machines, where the exact yard- advantages of the cotton belt region While being passed over one roll the cloth wound on boards ready

The steam jet or vertical cylinder under a pressure of from 60 to 90 for drying. It is then carried on this on short, perforated cylinders, pounds, depending on the weight, roll to the weasuring the winding about three feet six inches to four feet in length, prior to steaming. These rolls when filled with cloth are set in an upright position over steam jets placed in a row on a nar-row table, after which the steam is forced under pressure into the cylinders and through the cloth.

The rolls, weighing approximately 60 pounds, are carried while still As an offset to alarm created by hot and steaming by the operators this campaign it has been asserted to the winding machines. In doing this it is necessary to wrap the roll in cloth to prevent the operator being burned, but despite this precaution the faces and shoulders of the often scalded and blistered.—Textile Review.

New England Textile Industry.

(From The New York Herald.) mills of New England has aroused Southern business promoters to seek supremacy in this great industry for land mill owners have recently prethe Southern States. Since their sented statistics, as to the accuracy labor troubles began mill owners in of which they invite inquiry, which Rhode Island, Massachuetts and show that one-half the cotton Rhode Island, Massachuetts and show that one-half the cotton New Hampshire have been fairly in-spindles in the country, roughly undated with letters from Southern speaking, are now in the South. undated with letters from Southern boards of trade, chambers of com-merce and commercial organizations setting forth in general terms the

age of the goods is ascertained and over New England for manufacturing plants, and, in some instances,

making tempting specific proposals.

The chaos into which labor troubles and abnormal market conditions have plunged the New England textile industry has offered a promising field for this form of enter-That in this intelligent acprise. and the causes underlying what make its opportunity, there is a menace to New England's continued leadership in an industry on which its prosperity largely is dependent is a fact widely recognized.

that the Southern bid for mills is being used by New England manufacturers to scare the public into support of the mill owners' attitude toward labor. It has been declared that Southern mills are in reality the property of Northern owners and that the actual trouble is the result of the work of Northern owners, who, by creating a low Southern wage scale, are trying to beat The prolonged strike in the textile down the Northern mill pay to the same level.

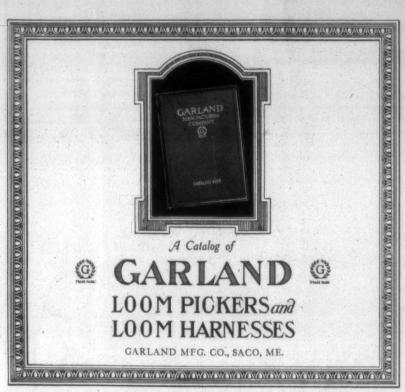
In answer to this the New Engroughly Of this number, less than 3 per cent are owned by Northern mills, while only 8 per cent are owned by Northern money. This means that about 89 per cent of all the Southern mills are owned and controlled by Southern capital.

The arguments being pressed upon Northern mill owners to induce them to remove to the South, or at least to establish branches there, are alluring. They are supported by facts that are hardly open to ques-Cheaper cotton, cheaper fuel, less fuel required, lower transportation costs, lower cost of living and consequent lower wages—there are among the inducements offered for Northern consideration. Southern mill operatives, who are described as "100 per cent American," gladly work from fifty-four to sixty hours a week for 25 per cent less pay than New England operatives demand for from forty-eight to fiftyfour hours. And the crowning argument of all is that the Southern operatives are free from the pernicious influence of the labor union politician. Strikes such as are now paralyzing so many New England mills are economic factors that may be ignored in the South.

These are formidale arguments. How long strike-ridden mill owners, with geographical and other handicaps, can be deaf to them and keep doing business at the old New England stands is a question which seems to be pressing rapidly to the

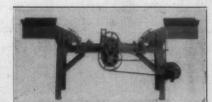
Welfare Workers Meet in Gastonia.

Southern Textile Social Workers Association held its annual meeting in Gastonia last week. A large number of community and social workers attended the meeting and there was also a good attend-



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THE TERRELL MACHINE CO., Inc., Charlotte, N. C.

ance of those connected with the mills in this section.

The meeting was featured by several very fine addresses by a numher of men and women who are prominent in community and social work. In addition, there was a series of group conferences at which the workers in various phases of welfare worker had an excellent opportunity for exchanging deas and plans for their work.

The musical program was of un-usual excellence. The concert sing-

ing by mill talent proved one of the most enjoyable numbers on the program and resulted in a great deal of praise for those in charge of this feature as well as those who took

part in the singing.

Southern Industrial Conference.

The Southern Industrial Conference will hold its usual summer meeting at Blue Ridge, N. C., on June 14th to 16th. A number of very prominent speakers will address the conference, including several wei! known mill officials. The theme of meeting will be Human Relations in Industry. The tentative program for the meeting has been announced as follows

Friday, July 14, 1922.

4 p. m.—Opening session. South-ward the course of industry takes

7: 30 p. m.-Evening session. The Human Element in Southern Industrial Development, Stuart W. Cramer, Charlotte, N. C., President Mays

New Relationships to Fit the New Industrial America, Chas. R. Tow-son, New York, Secretary Industrial Department International Committee Y. M. C. A

Saturday, July 15, 1922.

9 a. m.—Morning session. Human Waste in Industry, R. B. Wolf, New York, Member of Federated Ameri-Engineering Societies' mittee on Elimination of Waste in Industry.

10:30 a. m .- Vocational Education in Southern Industries, Frank Cushman, Washington, D. C., Acting Chief Industrial Education Service Federal Board for Vocational Edu-

2:30 p. m.—Sectional Conferences. Section 1—Executives, The Problems of Management, R. B. Wolf, New

Section 2←Foremen, Improving Foremanship, Frank Cushman, Washington, D. C. Section 3—Personnel Work. Fit-

ting a Man to His Job, E. J. Robeson, Jr., Newport News, Va., Personnel Manager, Newport News Shipbuild-ing and Dry Dock Co.

4 p. m.-Recreation.

7:30 p. m.—Evening session. Relationships Between Employer and Employe, Charles Green, Laurel, Miss., Vice-President Eastman Gardner Lumber Co.

Some Fundamentals of Industrial Peace and Prosperity.

Difficult and rejected cases specially solicited. No misleading inducements made to secure business. Over thirty years active practice. Experienced, personal, conscientious service.

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Specialty Cotton Mill Work Open Day and Night

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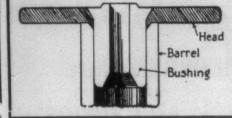
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Here are perfect 3-ply Veneer Packing Case Shooks. Their extreme lightness saves 20 to 80 lbs. in freight on every case shipped. They are stronger than inch boards, burglar proof, waterproof and clean—no cracks for dirt to sift through.

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FIBRE HEAD WARP SPOOL

after fourteen years of the hardest mill use has demon-strated that it is

Durable — Economical

Write for particulars of the added traverse with corresponding increase in yardage an important feature of this spool.

Prompt deliveries in two te three weeks after receipt of order.

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Cocker Machine and Foundry Company Gastonia, N. C.

BUILDERS OF TEXTILE MACHINERY

Linking Warpers Linkers Balling Warpers Balling Attachments Section Beam Warpers Long Chain Beamers Short Chain Beamers Warp Splitting Machines Warp Dyeing Machines Warp Doublers and Splitters Warp Coilers Boiling Out Boxes and Warp Washing Machines Dye House Ballers.

THE GREATEST IMPROVEMENT MADE IN COT-TON SPINNING IN QUARTER OF A CENTURY

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WITHERPSOON & WITHERSPOON.

SPARTANBURG, S. C.

Manufacturers of

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LOOM REEDS FOR ALL PURPOSES

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Trouble with Damaged Shuttles, "Reedy" Cloth or Excessive Warp Breakage may be reduced to the minimum if not entirely done away with through the use of

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Maximum Production at Minimum Cost

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SANITATION is one of the big assets of any MANUFACTURING PLAN'T. To keep your production to the normal mark or above, it is absolutely necessary to safeguard health of the thousands of daily

Dust must be eliminated. Plenty of fresh air and sunshine, and thorough cleaning and spraying with MIDLAND PINE CLEANSER will insure a clean and Sanitary Mill, Satisfied employees and normal production.

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Hammett Address.

The "Southern Textile Bulletin" of June 8 contains the full address on "Character Building in Industry,' recently deliverey before the Southern Association by James D. Hammett, formerly president of the American Cotton Manufacturers' Asociation. This address aroused a great deal of favorable comment among those who heard it, more particularly because of the strong note of plain American common sense that runs through it .- N. Y. Journal of Commerce.

Max Einstein is Member of Firm of Standard Chemical Products Co.

In reporting last week that Max Einstein, of Charlotte, had been ap-pointed Southern manager for the Standard Chemical Products Co., of Hoboken, N. J., with headquarters at Charlotte, the fact that Mr. Einstein a member of this firm was omitted from the report. Mr. Einstein has many friends on the Southern textile field who will be interested to know that he is a member of this

Thomas Webb, Jr. With A. E. Staley Manufacturing Co.

Thomas Webb, Jr., of Concord, N C., has accepted a position as traveling representative for the A. E. Sta-Mr. David Clark, Manufacturing Company, of Decatur, Ill., well known manufacturers of corn products. Through error the name appeared at Thomas Witt, Jr., and this correction is inserted in order to call attention the fact that Mr. Webb and not Mr. Witt represents this concern.

On Mountain Trip.

W. N. Carpenter, J. R. Lytton, J. W. McCarver, J. W. Allen and Jess Bennett, all of whom are connected with the Victory Mills, Gastonia, N. , recently made an automobile trip to western North Carolina. They visited Chimney Rock, Asheville and other points of interest and report a delightful trip.

Death of Infant Son of Harry Wylle.

Harry W. Wylie, Charlotte, N. C., of the Southern Sales organization matter. of the Crompton & Knowles Loom Works has sympathy of his many

friends in the tragic death of his 18-month old son Robert Wylie.

It seems that a string had been fastened around the crib to prevent the child from throwing his milk bottle upon the floor and in some way it became entangled around his neck and he strangled to death before any one could reach him.

Montevideo Wool Shipments De-

cline.
Shipments of wool from Montevideo, Vice Consul Avery reports, during March were 13,031 bales or over 4,000 less than February, but nearly twice as large as those a year ago when 7,773 bales were exported. In March, 1922, the largest shipments were to Hamburg, 4,600 bales; Boston, 3,100, and Antwerp, 1,700 bales.

Sao Paulo Textile Industries Well Employed.

The textile industries of Sao Paulo, Brazil, which manufacture almost entirely for local consumption, are enjoying a period of prosperity and employment, says Consul Lawton. The textile industry of this district is well diversified and includes the manufacture of fabrics from cotton, wool and silk in addition to jute bags used in the coffee trade of the district.

Moultrie Cotton Mills.

Charlotte, N. C. Dear Mr. Clark:

I was out of town when your telegram of the 15th came, advising that the Supreme Court had declared the Child Labor Law unconstitutional.

I do hope that this win settle Congress' attitude about invading State rights. You are certainly to be congratulated upon the great work you have done in connection with testing out this law.

With personal regards, I am, Yours very truly, W. J. Vereen.

Rockwood, Tenn., May 24, 1922. David Clark. Dear Sir:

We want to congratulate you on the good work which you did connection with this very important

Yours truly, R ockwood Mills.

Bring your steam drainage problems to the attention of steam drainage specialists.

Drain your steam heated equipment of all condensation and return it direct to your boilers with the Morehead Back-to-Boiler System.

Morehead Manufacturing Co., Detroit, Mich.



The Future of Cotton. (Continued from Page 3)

and disastrous campaign of slump. It was my misfortune, however, tion of raw cotton last year was only to be defeated by the folly of the 16,000,00 bales and that accumulated government and the stupidity of the stock of cotton and cotton goods has the members of which thought of deficit.
nothing beyond the immediate ad"The
vantage of procuring a quantity of an inte cheap cotton, and never paused to think that the planter might retaliate by reducing his acreage under cultivation and make them regret their cupidity lated on. The whole thing was a frightful mistake, and cost the country dear in a two years' trade depression from which

we are only just now emerging.

My American friends, however, may rest assured that I shall continue to work whole heartedly for a recognition of the full status of the planter, believing as I do that it is not only to his own but to everybody's interest in the cotton trade that his claims should have first consideration.

Spirited Bidding for World Cotton Supply Predicted.

"There are many conditions to be studied before anyone can assume that the world's finances can be adjusted to warrant a return to the pre-war consumption of goods, but granting that the European situapresents no new difficulties which further decrease her pur-chasing power, that Great Britain and her colonies cooperate in the establishment of a wise and just rule, that America enjoys no prosperity than at preasent, and that Activity of Brazilian Cotton Experiraw cotton production continue less than pre-war, one can easily predict spirited bidding for the limited supchairman of the foreign service committee of the National Council of Cotton anufacturers, who recently returned from a business trip to England and Europe. It is interesting, he points out, especially to those the cotton industry, to consider what effect this, the greatest eco-nomic unheaval the world has ever known, is having and is likely to have, upon the textile industry and upon business generally.

sumed 22,000,000 bales of cotton products annually," said Mr. Lawrence, "the civilian population of Europe averaging about six pounds of cotton per year to the decrease in the world's production of cotton goods and the fact that one-half of the remaining production was utilized by war material, the European this that now that cotton goods are again in the world's markets-for and a 10 per cent increase for Amer- Textile Division.

ica which is less than her usual yearly increase. Against this figure is the fact that the world's produc-English cotton spinners federation, been called upon to make up the

> "The future, therefore, presents an interesting speculation in regard to the law of supply and demand. Some day there will undoubtedly be an acute word's shortage of raw materials, but no one who is conversant with the immediate needs of Europe would assume to forecast the date.

> "The general improvement in exchanges last winter, cannot be taken to mean improved financial condition of Europe; on the contrary it was the outcome of slack trade. Europe has not been buying raw materials but rather liquidating raw stocks. Just as a railroad may move treight and passengers when nearing receivership, so is Europe carrying on an extraordinary business.

> "Inflation, be it currency or loans, creates rising prices, false demands and increasing wages, so that industry appears to go on quite normally, deflation creates dropping s, business depression, wage prices, reductions, strikes and disorder. The solution of Europe's immediate difficulties lies in the revaluation of currencies on a new gold parity and the settlement of external indebtedness to that within the capacity of the country to pay and the creditor to receive.

mental Stations.

Cotton experimental stations of ply of cotton," according to John S. the States of Maranhao, Piauhy, Rio Lawrence, of Lawrence & Company, Grande do Norte and Perambuco, during 1921, produced 43,159 pounds of cotton seed, a quantity sufficient for planting 3,224 acres. The official cotton service has also purchased and distributed about 100,000 pounds of seed and has disinfected with its equipment 224,000 pounds for planters. The establishment of an experimental station in the State of Bahia has been recommended and fund as subsidy for the maintenance of a otton service in the State of Sergipe "Before the war the world con-during 1922 has been authorized, says Consul General Gaulin, Rio de Janeiro, in a report received by the Textile Division of the Department of Commerce.

South African Market for Canvas Belting.

had to content himself with less A good market exists in South Afthan one pound per year. It is quite rica for both Balata belting and im-A good market exists in South Afan obvious conclusion to draw from pregnated rubber driving belts, according to Trade Commissioner Stevenson. The latter type is in the first time in eight years—satis- special demand provided the belting factory as regard to quantity and can be spliced so as to make it suitquality and at relatively normal able for endless belt drives, the quality and at relatively normal able for endless belt drives, the prices that the consumption by pointing being carried out with a weight of cotton goods will be large cement or vulcanizing process. It—the product of 20,000,000 bales of will be necessary for exporters to cotton it, I believe, a conservative lay down stocks for the principal estimate-conservative because this marketing centers. Interested firms figure allows only two-thirds of the may obtain the names of importers pre-war normal for Europe and in South Africa desirous of secur-Asia, three-thirds for Great Britain ing agencies upon inquiry to the

"BRETON" MINEROL "F"

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"It Reduces the Waste in Carding"

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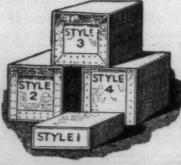
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When you can assure your customers of better packing as they know that you not only strive to protect their goods, but their appearance and salability as well.

The only way to render this SERVICE is by packing your

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Wood Packing Cases

made from best North Carolina Pine, Poplar, Oak and Chestnut. They are guaranteed to stand up under rough usage.

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Hickory

Drawer 330

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Manufacturers of

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Agent for Chlorine in Cotton
Bleaching

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WENTWORTH Double Duty Travelers

Last Longer, Make Stronger Yarn, Run Clear, Preserve the SPINNING RING. The greatest improvement entering the Spinning room since the advent of the HIGH SPEED SPINDLE.

Manufactured only by the

National Ring Traveler Company Providence. R. I.

Gum Tragasol Agglutinates

the fibres of the yarn—cotton, woolen or worsted whichever it may be—and prevents waste of good materials by eliminating flyings.

Gum Tragasol is Cheaper

than either wool or cotton, therefore, its use is a distinct economy.

JOHN P. MARSTON COMPANY 247 Atlantic Avenue, Boston

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Established 1831

FOR-

Stocking Welting Toe Closing Mock Seaming Maximum Production Minimum Cost of Upkeep Unexcelled Quality of Work

THE MERROW MACHINE COMPANY

20 Laurel Street, Hartford, Conn.

The Yarn Market

Philadelphia, Pa.-Very little im provement was noted in the market for cotton yarns during last week Both mills and commission houses reported that sales were the smallest they have had in some weeks and stated that the demand practically negligible. Prices held up well, however, in spite of the poor trade. There was some inquiry for knitting yarns from underwear manufacturers, and some small spot orders were placed wherever concessions could be obtained. Hosiery manufacturer stayed out of the market and sent in only a few in-Most of the inquiries were made with an idea of feeling out the market, rather than with an intention to buy, according to market re-

There was very little demand for weaving yarns and many sellers reported that they were not even getting orders. No part of the weaving industry appears to need yarns at this time, except in very small quantities to fill out on orders already on the books.

Southern carded knitted and weaving yarns advanced slightly again during the week, although dealers in the Philadelphia market did not move prices up. The mills are expecting a higher cotton market and expect to get correspondingly higher prices for their yarns. On the other hand yarn consumers are inclined to ignore the price of cotton and are not willing to pay prices above those prevailing several weeks ago. As a result of the two views, spinners and yarn buyers are far apart in their price ideas and are unable to get together. Dealers here who have tried to split the difference between the two extremes but the amount of business put though has been very limited.

Prices were quoted in this market as follows:

Southern Two-Ply Chain	Warps, Etc.	
10s	34160	
12s to 14s	35 @36	
2-ply 16s	36 @	
2-ply 20s	38 @	
2-ply 24s	39 @	
2-ply 26s	40 @41	
2-ply 30s	43 @46	
2-ply 40s	57 @59	
2 ply 50s	73 @	
Southern Two Ply S	Skeins.	
5s to 10s	Skeins.	
5s to 10s 10s to 12s	321/2@	
5s to 10s 10s to 12s 14s	321/2@	
5s to 10s	32½ @ 34 @ 35 @	
5s to 10s	32½@ 34 @ 35 @	
5s to 10s	32½034 035 36 037	
5s to 10s	32½@34 @ 35 @36 @ 37 @	
5s to 10s 10s to 12s 14s 16s 20s 24s 26s 30s	32½@34 35 @ 36 @ 37 @ 38½@	
5s to 10s	32½@34 35 @ 36 @ 37 @ 38½@	

	40s extra	53 73 82	@66 @76
	50s	12	@
	Carpet-		
	8s. 3. 4 and 2-ply	28	@29
	8s, 3, 4 and 5-ply	28	@29
	Tinged Insulating Yarns	10	6299
	6s, 1-ply	30	@32 @32
	6s, 1-ply	12	@
		3314	ā
	20s, 2-ply	37	@
	308. Z-DIV	11	@
	Duck Yarns.		
	3, 4 and 5-ply— 8s	33	@
		34	@
	168	36	@37
		37	@
	Southern Single Chain Way	rps.	63
		14 1/2	@
			6
	208	38	@
	228	181/2	@39
	248	191/2	@
	268	10	@ @45
	308	13	@59
	408 Southern Single Skeins	, ,	Ch no
	30s 40s Southern Single Skeins 6s to 8s	32	@
	108	331/2	@
	LEG		
	148		@
			Ø
		181/2	
	248	39	@
	268	10	@
	308		@45
	Southern Frame Cones.		60
	8s	35	@ @
	199	3544	(1)
	148	36	@
	168	36 1/2	@
	188	37 1/2 37 1/2	@
	20s	39	(1)
	248	391/2	0
	268	11	Ø
	308	14	@
	30s doble carded	47	@50
	30s tying in	41 ½ 59	0
	40s Southern Combed Peeler Sk	aine	@
		18	@
	2-mly 260	76	60
	2-ply 40s	78	@
	Z-DIY DUS	86 1 00	00
	2-ply 60s 2-ply 70s	1 05	6
		1 20	0-
	Combed Peeler Cones.		
	108	441/2	0
	128	1521	@
	14s	45 1/2 46	0
	188		Wan
	208	48	@
	228	49	
		50	@
į			@
			0
	329	601/2	@
	348	63	0
		65	@
		70 80	@
	608	91	@
	Eastern Carded Peeler Thread	T	wist
	Skeins.		
	20s, 2-ply	42	@
		43	@
	30s, 2-ply	51	0
	36s. 2-ply	54	0
	40s, 2-ply	61	@
	45s, 2-ply	66	@
		79	@
		36	@
	128	361/2	6-
	140	9.77	@
	168	39	@
	203	40 42	@
	2020	2/2	@

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COTTON YARNS

OF EVERY DESCRIPTION FOR

WEAVING AND KNITTING

We Specialize In Cotton Yarn For Export

Cotton Goods

were rather active during the early sold for July, at 11 cents on Thurs-Sheetings sold in a larger way, there higher. was a fair business in twills and ness at 11 1-8 cents. increased activity in denims. Cotspite of the uncertainties that prevail in the markets, both buyers and of the bag numbers it is possible to sellers feel that business is getting trade down on odd lots of small gradually better and that much volume. healthier conditions should develop the thin the coming weeks. The price of the market has been spotty, but mary markets were rather quiet as showing a fair volume when the esthe week ended.

Percales are selling better than they were a year ago and ginghams the present production. The market are moving well in both retail and has held steadily and shown small wholesale hands. Sheets and pillow advances in prices. Manufacturers cases are moving in smaller volume here claim their need of advances in than was the case a year ago, the order to meet increased cotton costs, trade showing a disposition to take and many buyers here have appar-only normal requirements on these ently conceded the point. Anyhow goods. The better known brands are has become very keen. Some advances recently named have failed to hold, but the mils generally are well enough sold to be very firm and ly. no general downward price revision pected.

fair business in a few centers, was Others have wanted contracts to ex-reported Friday and Saturday. This tend through the summer and into trading, however, is spotty, and far and through September. Many styles from general. Prices generally hold have been advanced an eighth of a firm. Reports that small lots of cercent a yard over last week's prices, tain constructions have been picked and some styles show a full quarup, spots, in second hands at slight ter of a cent advance. concessions, are not in the least disturbing. Cotton closed up, following a series of fluctuations—and bulls continue to saddle.

A number of sales for late contracts were again reported—for August-September, and several in-stances where there was interest in October - November. No particular talk of large quantities, however, has been heard.

In 64x60, 5.35 yard, Southern, 8 3-8 cents was paid for some nearby, and there were reports of very slight shading for some small second hand Late deliveries sold at 8 1-2 cents.

quoted at 9 3-8 cents, with 9 1-2 cents

There has been interest in 72x76, 4.25 yard. One story was that 5,000 current exchange.

New York.-Cotton goods markets pieces of Southern goods had been part of the week, though there was day. Additional goods had been obsome slackening as the week closed, tained yesterday at 11 cents, but Print cloths were stronger and piece most sellers would not consider this goods showed material improvement. figure, and were holding for slightly One reported limited busi-

The sheeting markets were quiet. ton manufacturers complain that Prices are firmer than they were a goods prices are not on a parity with week ago in many houses, due to cotton and therefore they are not steady sales of accumulating lots anxious to sell very far ahead. In supplementing some of the contracts reported a short time ago. On some

timates were all made up. The total, however, falls considerably below they have paid the advances. in best demand and the competition demand has been pushed further ahead for deliveries and the demand for futures has been met more readilv than has been the case previous-

In the print cloth division the desheets and pillow cases is ex- mand has covered most of the usual styles. Many buyers wanted as quick Some inquiry for print cloths with delieveries as could be secured.

ed as follows:		
Print cloths, 28-in., 64x64s	7	
Gray goods, 38 1-2-in., 64x64s.	8	3-4
Gray goods, 39-in., 68x72s		
Grad goods, 38-in., 80x80s	12	
Brown sheetings, 4-yard	11	
Brown sheetings, 4-yard	10	1-4
Brown sheetings, So. Stnd	12	
Tickings, 8-ounce	22	1-5
Denims, 2-20 17		
Staple Ginghams	12	1-5
Dress ginghams20@	22	1-5
Standard prints	10	1-
Kid finished cambrics 8 1-4	@9	1-

Fifty-one shipments of East India Nearby 68x72s, 4.75 yard were carpet wools were received at Liverpool in the week ending May 13, again paid for August-September- says Commercial Attache Tower, in October. Some eastern goods at 9 a report to the Department of Com1-2 cents were also reported. merce. The value of these shipmerce. The value of these ship-ments approximated \$1,200,000 at

The Standard of Excellence for Electrical Installations IN TEXTILE MILLS AND VILLAGES HUNTINGTON & GUERRY, Inc.

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Start Easiest, Run Smoothest, Wear Longest!

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eenville, S. C.

The humid atmosphere in textile mills causes employees to consume large quantities of water. These employees require cool water supplied in a sanitary manner - the "old tin cup" won't do.

A PURO Cooler with its Sanitary Fountain is the logical dispenser of Pure Cool Drinking water.

We are holding a copy of catalog for you-may we send it?

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Finishing and Sizing Preparations for Cotton

BLEACHING OIL

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For Stripping and Dis-charge Printing

LEVULINE To soften Sulphur and Developed Black

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U. S. Ring Travelers are uniformly tempered which insures even-running spinning. They are also correct as to weight and circles. Quality guaranteed.

DRAKE CORPORATION

"Warp Dressing Service Improves Weaving"

NORFOLK - - VIRGINIA

Want Department

Position Wanted.

Position as manager or superintendent of hosiery mill; 20 years' experience on all grades of hosiery. Can give best of references. Knitter, care Textile Bul-

Wanted.

Thoroughly competent overseer for cloth room. One accustomed handling branded domestics. Consolidated Textile Corporation, Henderson Division, Henderson

Position Wanted.

Want position as overseer carding or spinning, or both, or overseer spinning, twisting and wind-Age 30, married; have been overseer past eight years. Very best references; good manager of help: good past record. Will help; good past record. Will change on week's notice, and go anywhere and stay. Now over-seer but wish better job. Address Overseer, care Southern Textile Bulletin.

Wanted.

15 Whitin Spinning Frames, 2 or 2 1-4-in. ring, 3 1-4 or 4-in.

space. 6 40-in. Wihtin Cards. 12 40-in. Saco-Pettee Cards, 27in. doffer, 12-in. coils, 110 flats. 18 37-in. H. & B. Cards, 12-in. coils, 110 flats.

Whitin or Saco-Lowell Beam Twisters, 4 1-2-in. ring, 5 1-2in, gauge, tape drive. 36-in. Vertical Opener.

200 10x36-in. roving cans

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For Sale-One 100 h. p., 1,175 RPM. 220 volt, 3 phase, 60 cycle, Westinghouse 220 volt motor. make, in good shape. Westinghouse, 1,145 RPM. 220 volt, 3 phase, 60 cycle, in good shape. This motor has just recently been worked over, and is just about as good as new, in fact hasn't been run since worked over at shop. Goodson-Howard Yarn Mill, West Helena, Ark.

Fire Without Having A Cleaning Period On



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REMOVOIL

Why not eliminate all of your oil spots that show up in your cloth room. Removoil is doing it in a large number of mills. Try a tengallon can and be convinced.

MASURY-YOUNG CO.

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Seamless—and as smooth as glass INSIDE AND OUT

Strong Turned Over Top-Clear Entrance and Exit

In addition to the above advantage there is no top sway in this or any other Laminar Roving Can. And the sliver always coils up evenly inside. We think little need be said about the quality of this Can—the fact that it's a Laminar guarantees that it will be on the job years from now. Make sure also that when you buy fibre trucks, boxes, baskets and cars that your order calls for Laminar Receptacles. Receptacles. We'll send a book on receptacles. Tell us where.

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The fee for joining our employment bureau for three months is \$2.00 which will also cover the cost of carrying a small advertisement for one month.

If the applicant is a subscriber to the Southern Textile Bulletin and his subscription is paid up to the date of his joining the employment bureau the above fee is only \$1.00.

During the three months' membership we send the applicant notices of all vacancies in the position which he desires.

We do not guarantee to place every man who joins our employment bureau, but we do give them the best service of any employment bureau connected with the Southern Textile Industry.

- VANT position as superintendent of weave mill, or would take place as carder and spinner in large mill. With present company five years, last three as superintendent. Ten years as over-seer carding and spinning. Address No 2492 WANT No. 3492
- WANT position as superintendent. Now employed as overseer with one of the largest mills in the South. Have been with same company for six years. By experience and training am qualified to handle superintendent's position. Can give best of references. Address No. 3493.
- WANT position as carder or spinner or both. Now employed as overseer, but wish better place an dcan come or short notice. Excellent references as to experience, character and ability. Address No. 3494.
- WANT position as master mechanic. Now employed. Long experience as master mechanic and engineer in good mills. Can handle either steam or electric drive. Good machine shop and repair man. Address No. 3495.
- WANT position as overseer of carding.
 Competent, reliable man whose experience and training is reflected in ability to get results. Now employed.
 Good references. Address No. 3496.
- WANT position as overseer of weaving Experienced on both plain and fancy goods and all makes of looms used in South. Steady worker, good habits, good manager of help. Address No. 3497.
- WANT position as master mechanic. Have had nine years experience as master mechanic, 20 years with steam and electric drive and mill machine work. Good references as to character and ability. Address No. 3497.
- WANT position as overseer of spinning or would take carding. Long experience in both departments and can give satisfactory references. Address No. 3498.
- WANT position as overseer of cloth room. Have had over 30 years experience in some of the best mills in the South, and have handled practically every kind of goods made in Southern mills. Wish to correspond with mill needing thoroughly reliable man who can handle cloth room in efficient manner. References. Address No. 3500.
- WANT position as master mechanic. Experienced, reliable man now employed but wish a larger place. References to show long record of satisfactory service with a number of first class mills. Address No. 3501.
- WANT position as engineer and machinist. Experienced on both electric and steam drive and am competent to handle machine shop and general repair work. Good references. Address No. 3502.
- WANT position as superintendent of large yarn or cloth mill or manager of smaller mill. High class, efficient mar with long experience as superintendent and manager and can get results. Excellent references. Address No. 3503.
- WANT position as overseer of carding or would take place as second hand in large room. Practical, experienced man of character and ability, good manager of help. Fine references. Address No. 3504.
- WANT position as superintendent, or carder and spinner. Many years experi-ence in all these positions in some of the best mills in the South. Excellent references. Address No. 3505.
- WANT position as overseer of carding in small or medium sized mill, or second hand in large mill. Age 26; married I. C. S. graduate; good references as to character and ability. Address No. 3506
- WANT position as overseer of weaving Now employed in large mill and giving

- satisfaction, but have good reasons for wishing to change. Experience includes work on practically all goods made in the South. Good references. Address No. 3507.
- WANT position as overseer of carding or spinning or both, or superintendent. Now employed as night spinning in large mili and giving entire satisfac-tion, but wish day work. References from past and present employers. Ad-dress No. 3509.
- WANT position as master mechanic and engineer. Have had 12 years experience in steam and electric driven plant and can handle either in competent man-ner. Good efferences. Address No.
- WANT position as overseer of weaving in mill on plain or fancy goods. Now employed, but can change on short notice. Experience and training cover a long period of years in a number of good mills, Good references. Address No. 3511.
- WANT position as overseer of weaving. Practical man of long experience who is fitted to handle your weave room on efficient and economical basis. Good references. Address No. 3512.
- WANT position as mill bookkeeper or pay roll clerk, general office work or typist; 10 years' experience. Best references. No. 3513.
- WANT Position as general office man in mill. Two years as manager, doing buying and selling. Would accept pay roll work if advancement is offered. Married. Reference. Address No. 3514.
- WANT position as master mechanic in medium-sized electric driven mill or power house operator, or place in large shop where chances are good for pho-motion. Married, settled, good worker. Address No. 3515.
- WANT position as carder, spinner or carding and spinning. Long experience in number of good mills. Good record. Best of references. Address No. 3517.
- WANT position as superintendent. Long record of satisfactory service. Now em-ployed but wish larger place, Excel-lent references. Address No. 3518.
- WANT position as overseer spinning; 10 years' experience; 35 years old. Now employed, but want better paying job. Fine references. Address No. 3519.
- WANT position as cloth room overseer or second hand in large room. Long ex-perience on white goods. Strictly so-ber. Now employed at one of the best mills in South. References. Address No. 3520.
- YOUNG LADY wants postion as steno-grapher in mill work. Long experience in mill office; competent, accurate and reliable. Address No. 3521.
- WANT position as overseer weaving. Experience and training qualifies me to handle job in first class manner. Excellent references. Address No. 3522.
- WANT position as overseer carding. Experienced on various classes of work and have excellent record. Would like interview with mill needing high-class man. Address No. 3523.
- WANT position as overseer of carding or overseer carding and spinning. Thoroughly familiar with both carding and spinning and can get good results. Address No. 3524.
- ANT position as overseer weaving in medium sized mill, or second hand in in large room. Prefer plain weaving job. Sober, hard worker and good man-ager of help. Address No. 3525.
- WANT position as overseer carding of would take spinning; 16 years exper-ience as overseer. Prefer carding job Am married, settled and references show a long record of excellent service Address No. 3527.
- WANT position as overseer spinning Experienced, practical man who has been overseer over long period of years Can get quality production at low cost References. Address No. 3429.
- WANT position as overseer spinning, spooling and warping, or would take large spinning room; 18 years' experience; first class man in every respect Address No. 3526.
- WANT: position as overseer weaving. Have handled large variety of goods and can produce quantity and quality. Best references. Address No. 3626.
- WANT position as superintendent of yarn or weave mill. Now employed as superintendent of well known yarn mill, but have good reasons for change. Excellent references. Address No. 3530.

- WANT position as overseer large card room, or spinning hoom, or both. Can give good references showing long prac-tical experience and excellent charac-ter. Address No. 3532.
- ANT position as finisher. My experience in finishing plants enables me to handle your work in thoroughly competent manner. References gladly furnished. Address No. 3533. WANT
- WANT position as overseer of weaving Long experience in number of large weave mill handling many different cloths. Now employed. Address No weave cloths. 3534.
- WANT position as overseer spinning, winding or finishing. Now employed but wish larger place. Experienced, reliable man of good habits. Best of references. Address No. 3535.
- WANT position as master mechanic, Experienced in both steam and electric work. Best of references. Address No. 3536.
- WANT position as superintendent, or would take place as carder or spinning. Can furnish good references from number of mills showing my long record of satisfactory service. Now employed. Address No. 3537.
- WANT position as superintendent of yarn mill, or carder and spinner. Practical man whose knowledge of carding and spinning is such as to produce excellent results. References. Address No. 3538.
- WANT position as superintendent. Excellent reason for changing. Would like to submit my references to mill needing high class man. Address No. 3539.
- WANT position as superintendent. Now have superintendent's place in medium sized plant, but wish larger fob. References as to character and ability. Address No. 3540.
- VANT position as master mechanic. Now employed in large mill shop and have al-ways given satisfaction over long pe-riod of years. References to show char-acter, qualifications and training. Ad-dress No. 3541.
- WANT position as overseer weaving. Now employed as weaver in good mill, but wish to locate in Carolinas or Georgia. High class man who can produce re-sults. 'Address No. 3542.
- WANT position as assistant superintendent or weaver. Now getting \$3,000 salary, but will take place at \$150 a month in more healthy location. Experienced in large mill; both white and colored goods. Married. Good references. Address No. 3543.
- WANT position as cloth room overseer second hand in large room. Now employed as overseer in denim plant. Excellent references. Address No. 3544.
- COTTON CLASSER and stapler desires position, preferably with mill. Exper-ienced and can furnish references. Ad-dress No. 3545.
- WANT position as superintendent weaver. Prefer mill on colored go Now employed. Best of references. A dress No. 3546.
- WANT position as overseer carding, or carding and spinning. Practical man of long experience who can handle your carding or spinning on economical and paying basis. Address No. 3548.
- WANT position as carder. Age 40; 18 years' experience in number of good mills. Gilt edge references. Address No. 3548.
- WANT position as overseer weaving, beaming, slashing or quilling. Have handled all of above departments and can give good references. Now overseer weaving in mill on checks and chambrays in mill of 800 looms. Address No. 3549.
- WANT position as superintendent, or carder and spinner. Now employed, but wish larger place. Address No. 355%
- WANT position as overseer of cloth. High class man of good habits who thorough-ly understands the efficient handling of cloth room. Address No. 3551.
- WANT position as carder or spinner or both. Age 43; 18 years' as overseer; good record as manager of help. Now employed as carder, but wishes larger place. References. Address No. 3553.
- WANT position as overseer weaving. Settled man of good habits, long experience on both plain and fancy weaves. References. Address No. 3553.

- WANT position as machinist. Have had long experience in mill shops and am sober and reliable mechanic. Excellent references. Address No. 3521.

 WANT position as superintendent. Now employed as superintendent. Experience for more than 20 years as superintendent and overseer. Excellent references. Address No. 3555.
 - WANT position as cloth room overseer. Competent, reliable man of long exper-jence. Can furnish excellent references. Address No. 3556.
 - WANT position as superintendent, manager or office manager in large mill. Can manage plant on efficient basis and would like opportunity to show qualifications to mill needing A1 man. Address No. 3557.
 - WANT position as carder or spinner or superintendent. Thoroughly qualified in both departments and have had long experience as overseer in a number of
 - WANT position as superintendent or weaver. Now employed but have good reasons for changing. Best of referen-large mills. Address No. 3558.
 - WANT position as superintendent. Have successfully run some of the best mills in the South and can furnish references showing long period of satisfactory and productive service. Address No. 3559.
 - WANT position as superintendent, carder or spinner. Experienced and capable man of long experience. Settled habits. Address No. 3560.
 - WANT position as superintendent, carder and spinner, or both. Experienced man of practical ideas. Excellent references. Address No. 3561.
 - WANT position as superintendent. Have long record of good service and have always given satisfaction. Now employed. Excellent references. Address No. 3562.
 - WANT position as superintendent or weaver. Weaving experience covers period of over 20 years on wide variety of fabrics. Sober, reliable and good manager of help. Good references. Ad-dress No. 3563.
 - WANT position as carder. Long experience and have special knowledge of combed work. Excellent references. Address No. 3566.
 - WANT position as overseer weaving. Cal handle plain or fancy work. Drape job preferred. Would accept place a designer in large mill. Thoroughly ca pable weaver in every respect. Refer ences. Address No. 3567.
 - WANT position as overseer carding or spinning, or both. Have worked in some of best mills in South and always goten good results. Good references. Address No. 3565.
 - WANT position as overseer carding. Practical man who can handle carding in efficient manner. Long experience. Specially qualified for combed work. Address No. 3568.
 - WANT position as superintendent. By experience and training am especially fitted to handle combed yarn mill. Will gladly submit references to mill desiring high class, experienced superintendent. Address No. 3569.
 - WANT position as overseer carding or superintendent in medium sized mill. Now employed as superintendent, but do not like location of mill. Long ex-perience and thoroughly understand card loom details. Address No. 3570.
 - WANT position as cotton classer or buy-er for mill in Carolinas or Georgia. Sev-eral years' experience in buying and classing long and short cotton, domes-tic and export. A-1 references. Ad-dress No. 3571.
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 - WANT position as superintendent, or would accept place as carder or spinner. Many years as superintendent and overseer and can successfully operate any size mill. Good reference. Address No. 3576.

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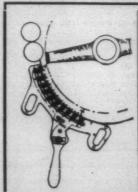
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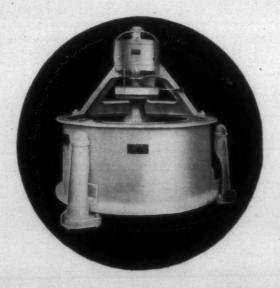


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